

Scout Report sent ☒  
Noted in the NID File ☒  
Location map pinned ☒  
Approval or Disapproval Letter ☒  
Date Completed, P. & A. or  
operations suspended 11-26-57  
Pin changed on location map ☐  
Affidavit and Record of A & P ☐  
Water Shut-Off Test ☐  
Gas-Oil Ratio Test ☐  
Well Log Filed ☒

effective Aug. 29, 1973  
Q. & R. Wells assumed operations

#### FILE NOTATIONS

Entered in NID File ☒

Entered on S R Sheet ☒

Location Map Pinned ☒

Card Indexed ☒

W R for State or Fee Land ☐

Checked by Chief ☒

Copy NID to Field Office ☒

Approval Letter ☒

Disapproval Letter ☐

#### COMPLETION DATA:

Date Well Completed 11/26/57

OW ☒ WW ☐ TA ☐

GW ☐ OS ☐ PA ☐

Location Inspected ☐

Bond released ☐

State of Fee Land ☐

#### LOGS FILED

Driller's Log 2/13/58

Electric Logs (No. ) 5

12E ☒ I ☐ E-I ☐

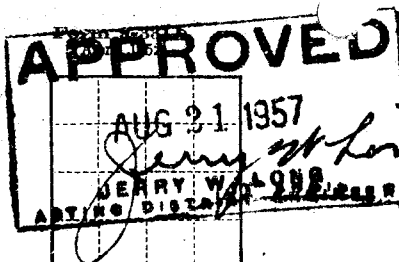
8 ☒ Mi-L 4 ☒

GR ☐

GR-N ☒

Mjcro ☐

Others 2 Rater



(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-2052

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

**RECEIVED**  
AUG 20 1957  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 19, 1957

Navajo  
Well No. FL4-16 is located 660 ft. from N line and 660 ft. from E line of sec. \_\_\_\_\_

SW 1/4 Sec. 16 T40N R25E S. L. M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~drush floor~~ <sup>ground</sup> above sea level is 5245.6 ft.

### DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

1500 feet 8 5/8" surface casing  
sufficient cement to reach surface  
Hermosa B zone - 5740 feet  
Paradox C zone - 5945 feet  
Mississippian - 7250 feet  
total estimated depth - 7500 feet

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company General Petroleum Corporation

Address 53 E. 4th South Street

Salt Lake City 11, Utah

By A. L. Hair

Title Division Superintendent

*By Ronald R. Palmer*

PLEASE READ BEFORE STARTING OPERATIONS:

Attention is called to the following general and special requirements for operators on federal, Indian and acquired land oil and gas leases. Suspensions of operations, may be required by the district engineer for failure to comply with the Operating Regulations, the conditions of drilling approval, and these requirements:

GENERAL

1. All drilling and producing wells shall be permanently marked in a conspicuous place with the name of operator, lease name, serial number of lease, well number, and location. Necessary precautions must be taken to preserve such signs.

2. Any change of drilling plan or condition of approval must have approval of the district engineer BEFORE the change is made.

3. Before work is started written approval must be obtained unless other arrangements are made in advance with the district Engineer. After work is completed results must be reported to the U. S. Geological Survey by submitting to the district engineer complete information including the dates of work was done on Form 9-331a (9-331b) Indian, in triplicate.

a. Mudding, cementing and method and results of testing water shut-off. (Show spud date of well on first report submitted).

b. Drill stem tests or perforating.

c. Shooting, acid treatment, deepening or plugging back.

d. Casing alterations, packer setting, or repairs of any kind.

e. Gas-lift installations.

4. Monthly report of operations in duplicate on form 9-329 (9-329a Indian) must be submitted promptly each month to U. S. Geological Survey on a lease and continuing until abandonment of all drilling and producing operations is approved.

5. Log, in quadruplicate, on form 9-330 must be submitted to the district engineer within 15 days of completion, abandonment, or suspension unless operator is otherwise instructed by the district engineer. The log should include a complete driller's log, descriptions of all cores, results of all drill stem tests, formation tops identified, and all other well information not previously reported. Duplicate copies of all electrical logs, sample logs, drilling time logs, temperature, deviation, and other well surveys must also be filed.

6. All wells and lease premises shall be maintained in a workmanlike manner with due regard to safety, conservation and appearance.

7. Approval of a notice of intention to drill or abandon any well will be rescinded without further notice if drilling or abandonment is not started within 90 days.

Revised February 1955

COMPANY GENERAL PETROLEUM CORPORATION

Well Name & No. NAVAJO F 14-16

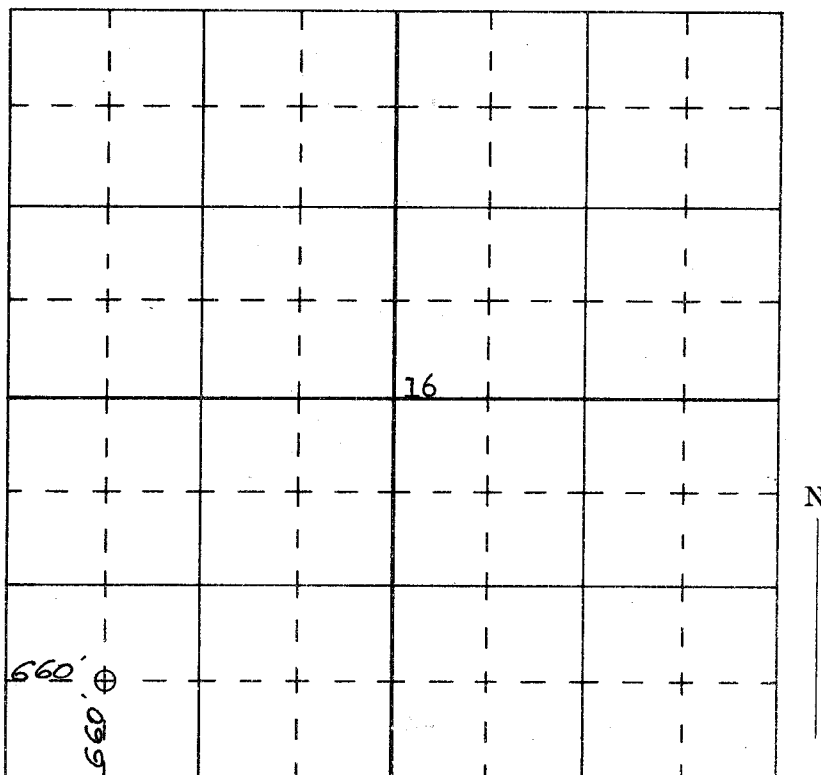
Lease No. 14-20-603-2052

Location 660' from the SOUTH LINE and 660' from the WEST LINE

Being in SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub>

Sec. 16, T 40 S., R 25 E., S. L. M.

Ground Elevation 5245.6 UNGRADED



Scale — 4 inches equals 1 mile

Surveyed 18 AUGUST, 19 57

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

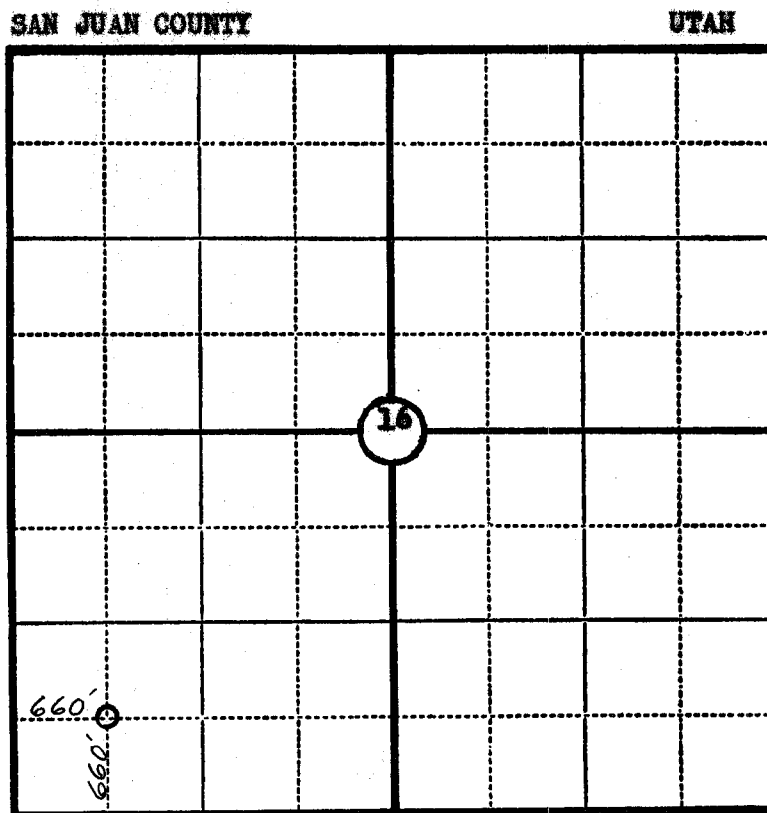
*James P. Leese*

Registered Land Surveyor.

James P. Leese

Utah Reg. No. 1472

Company **GENERAL PETROLEUM CORPORATION**  
Lease **NAVAJO 14-20-603-2052** Well No. **F 14-16**  
Sec. **16**, T. **40 S.**, R. **25 E., S.1.M.**  
Location **660' FROM THE SOUTH LINE AND 660' FROM THE WEST LINE.**  
Elevation **5207.9 UNGRADED GROUND.**



Scale—4 inches equal 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:

*James P. Leese*  
Registered Land Surveyor.  
**James P. Leese**  
**Utah Reg. No. 1472**

Surveyed **18 August**, 19 **57**

	16		
X			

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Location Navajo  
Address Tribal Lands  
Lease No. 14-20-603-2052

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL (Amended)	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SODIUM OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDELL OR REPAIR WELL		SUBSEQUENT REPORT OF REDELLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(Indicate above by check mark nature of report, notice, or other data)

August 26, 1957

Navajo  
Well No. 14-16 is located 660 ft. from N line and 660 ft. from W line of sec. 16  
14-16 40 S. 25 E. S. 1. B. & M.  
(Section and Range) (Town) (Range) (Section)  
Utah  
(State) (County or Subdivision) (Name of Territory)

The elevation of the derelict floor above sea level is 5225.6 ft.

DETAILS OF WORK

(State names of and suggested depths to objective sands; show size, weight, and length of proposed casing; indicate monitoring jobs, cementing points, and all other important proposed work)

It is proposed to drill this exploratory well to test for oil and gas prospects in all formations to and including the Paradox and possibly the Mississippian. Objective horizons and their anticipated depths are: Hermosa "B" zone 5740'; Paradox "Q" zone 5945'; and Mississippian 7240'. Estimated total depth is 7500'. It is proposed to cement 13-3/8" casing at approximately 300' with sufficient cement to reach the surface. It is proposed to cement 9-5/8" casing at approximately 1500' if hole conditions require same. Cementing of casing below approximately 1500' depth will be contingent upon findings and well conditions. Your office will be notified prior to setting other than 13-3/8" and possible 9-5/8" protection string at approximately 1500'. The above program was verbally approved by Mr. J. W. Long, Acting District Engineer on August 26, 1957.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company GENERAL PETROLEUM CORPORATION

Address 53 East 4th. South

Salt Lake City, Utah

By A. J. Haire  
Title Division Superintendent

August 30, 1957

General Petroleum Corporation  
53 East 4th South  
Salt Lake City 11, Utah

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo F-14-16, which is to be located 660 feet from the south line and 660 feet from the west line of Section 16, Township 40 South, Range 25 East, SEM, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT  
SECRETARY

CBF:cn

cc: Phil McGrath  
USGS, Farmington,  
New Mexico

DR-USGS

Budget Bureau No. 42-R714.3.  
Approval expires 12-31-55.

ALLOTTEE Tribal Lands  
TRIBE Navaio  
LEASE NO. 14-20-603-2052

1052  
Noted  
Case  
D-24-57

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 19 57.

Salt Lake City, Utah

**Signed** \_\_\_\_\_

Phone DA 2-5581 Agent's title Division Superintendent

SW SW 16

Spudded 9/8/57  
Cent'd 13-3/8" at  
242'  
Drilling at 5384'

NOTE.—There were ..... pairs or pairs of eggs ..... of eggs.

runs or sales of gasoline during the month. (Write "no" where not applicable)

**NOTE.**—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.





GENERAL PETROLEUM CORPORATION

A SOCONY-VACUUM COMPANY

53 East 4th South Street  
Salt Lake City, Utah

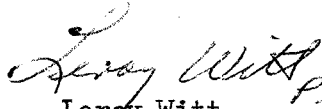
September 6, 1957

Mr. Cleon B. Feight, Secretary  
Utah Oil & Gas Conservation Commission  
State Capitol, Room 140  
Salt Lake City, Utah

Dear Sir:

Pursuant to our conversation of a week ago, we  
are enclosing an approved copy of the notice of intention  
to drill Well No. Navajo F 14-16.

Very truly yours,

  
Leroy Witt  
Petroleum Engineer

LW:tp

Enclosure

September 9, 1957

General Petroleum Corporation  
53 East 4th South  
Salt Lake City, Utah

Attention: Leroy Witt, Petroleum Engineer

Gentlemen:

This is to acknowledge receipt of your amended notice of intention to drill Well No. Navajo F14-16, Section 16, Township 40 South, Range 25 East, SEEM, San Juan County, Utah.

Please be advised that said amended notice of intention to drill is hereby approved.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

OLEON B. FREIGHT  
SECRETARY

CBF:en

cc: Phil McGrath  
USGS, Farmington,  
New Mexico

DR-USGS

Utah Oil and Gas Conservation Commission

Budget Bureau No. 42-R359.1.  
Approval expires 11-30-49.

Form 9-831b  
(Rev. 1-30-49)  
**APPROVED**  
SEP 17 1957  
SAMUEL L. PLUMMER  
ACTING DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency Navajo  
Allottee Tribe's Land  
Lease No. 14-00-403-0000

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

RECEIVED

SEP 16 1957

U. S. GEOLOGICAL SURVEY  
ALBUQUERQUE, NEW MEXICO

Notes  
C-23-57

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 12

19 57

Well No. 724-16 is located 660 ft. from S line and 660 ft. from W line of sec. 16  
NE 1/4 Sec. 16 10 N 25 E S. L. B. M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the Ground surface above sea level is 5246 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

9-8 to 9-12-57 Spud 2:00 P.M. 9-8-57. Drilled 12 1/2" hole to 289'. Opened to 17 1/2" to 242'.  
13-3/8" casing cemented at 242' with 300 sac. Cement returns to surface. Installed BOP. Pressure tested casing at 1000 psi for 30 min. without loss of pressure.  
Drilled 9" hole 289'/950'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company General Petroleum Corporation  
Address 53 East 4th South St.  
Salt Lake City, Utah  
By A. L. Hair A. L. Hair by L. C. W.  
Title Division Superintendent

W



Form 9-331b  
(August 1949)**APPROVED**

OCT 10 1957

SAMUEL L. PLUMMER  
ACTING DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYIndian Agency NavajoAllottee Tribal LandLease No. 14-40-603-202**SUNDRY NOTICES AND REPORTS ON WELLS**

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 8, 19 57

Navajo  
Well No. 7-14-16 is located 660 ft. from XXX [S] line and 660 ft. from XXX [W] line of sec. 26  
SW/4 Sec. 16 40 S 25 E S.L.B.M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~datum~~ Ground above sea level is 5246 ft.**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

9-13 to 10-3-57 Drilled 9" hole 950' / 5453'.  
Ran Schlumberger electric log 242' / 5453' (Two copies enclosed)  
10-4 to 10-8-57 Drilled 9" hole 5453' / 5870'

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company GENERAL PETROLEUM CORPORATIONAddress 53 EAST FOURTH SOUTH STREETSALT LAKE CITY, UTAHBy A.L. HAIRTitle Division Superintendent

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

**APPROVED**

**OCT 17 1957**

**SAMUEL L. PLUMMER**  
DISTRICT ENGINEER

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**GEOLOGICAL SURVEY**

Allottee Navajo

Lease No. 14-22-67-202

**SUNDRY NOTICES AND REPORTS ON WELLS**

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

**October 14**, 19**57**

Well No. Navajo 714-16 is located 660 ft. from S line and 660 ft. from W line of sec. 16

SW 1/4 Sec. 16 40 S 25 E S. 1, 2, 3, 4  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the Ground above sea level is 5246 ft.

**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

10-9-57  
to  
10-12-57 - Cored 9" hole 5870'-6006'.

10-13-57 - D.R.T. #1 5890'-6006'. S.I. 30 min. - open to flow 3 hours. Weak blow increasing to light after 40 minutes then decreasing to weak after 2 hours 20 minutes. Max. rate 14 Mcf/D - no gas - S.I. 30 minutes - rec. 3960' as follows, top to bottom: 360' gas cut mud, 280' gassy, watery, mud, 300' gassy, muddy water, and 3100' salt water. Testing 3850'-4700' - O.C.G. - I.B.H.S.I.P. 2280 psig., static, B.H.P.P. 270-2090 psig., B.R.S.I.P. 2280 psig., static, H.P. 3365 psig., B.H.T. 134° F.  
Coring ahead

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company General Petroleum Corporation

Address 53 East 4th South Street  
Salt Lake City, Utah

By A. L. Fair  
Division Superintendent

Title Division Superintendent

State of Utah  
OIL & GAS CONSERVATION COMMISSION  
Room 140, State Capitol Building  
Salt Lake City 14, Utah

October 15, 1957

A. L. Hair,  
Division Superintendent  
General Petroleum Corporation  
53 East 4th South St.  
Salt Lake City, Utah

Re: REQUEST FOR "REPORT OF  
OPERATIONS & WELL STATUS REPORT"

Dear Sir:

Your attention is directed to Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, which was adopted by the Commission on July 9, 1957.

Said rule provides for the submitting of a report of operations and well status report to the Oil and Gas Conservation Commission.

Your compliance with said rule is hereby requested.

We are enclosing some copies of Form OGCC-4, "Report of Operations and Well Status Report", for completion and return. For your convenience, Rule C-22, has been printed on the back of said form.

Federal Form 9-329, Lessee's Monthly Report of Operations may be used in lieu of Form OGCC-4.

Please note that if two legible copies, carbon or otherwise, of the report filed monthly with the United States Geological Survey on Form 9-329, are also filed each month with this Commission, it will be deemed compliance with Rule C-22, Paragraphs 1, 2, 3, and 4.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

*Cleon B. Feight*  
CLEON B. FEIGHT  
SECRETARY

CBF:cn

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

	16	
X		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal Land  
Lease No. 14-20-603-2052

*Noted  
and  
10-24-57*

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 21, 19 57

Navajo  
Well No. 14-16 is located 660 ft. from XXXX [S] line and 660 ft. from XXXX [W] line of sec. 16

SW/4 Sec. 16 40 S 25 E S. I. B. & M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the Ground ~~water level~~ above sea level is 5246 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

10-13-57

to

10-18-57 Cored 9" hole 6006'-6160'.

10-19-57 D.S.T. #2 6083'-6160'. S.I. 30 min. - open to flow for 3 hours. Light blow 70 min. with gas up in 70 min. at 44 Mcf/D (max) rate. S.I. 30 min. - Rec. 607' fluid as follows, top to bottom: 57' slightly gassy mud w/ scum oil, 460' very gassy, slightly oily mud, 30' free oil, and 60' slightly oily, gassy, mud. I.B.H.S.I.P. 2085 psig, incr., B.H.F.P. 110 - 210 psig, B.H.S.I.P. 1590 psig, incr., H. P. 3265 psig, B.H.T. 135° F.

10-20-57 & 10-21-57 Cored 9" hole 6160'-6207'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company General Petroleum Corporation

Address 53 East 4th South Street

Salt Lake City, Utah

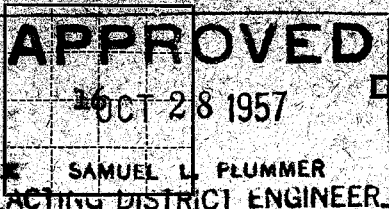
Phone DA 2-5581

By A. I. Hair *[Signature]*

Title Division Superintendent

*W*





(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal Land  
Lease No. 14-20-603-2052

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL		
Notice of Intention to run casing		<input checked="" type="checkbox"/>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 24, 1957

Navajo  
Well No. F14-16 is located 660 ft. from N line and 660 ft. from E line of sec. 16  
SW/4 Sec. 16 40 S. 25 E. S.L. B. & M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

K.B.  
The elevation of the ~~derrick floor~~ above sea level is 5218 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- 10-21-57 6207' - 6222', T.D. Cored.
- 10-22-57 D.S.T. #3, 6160' - 6222' - S.I. 30 minutes - Flowed 2½ hours - Weak decreasing to very weak blow. No gas - S.I. 30 minutes - Recovered 140' watery mud, 250' muddy water w/trace oil, 90' watery, gassy mud & 60' salt water testing 7500-9350 G.C.G. - I.B.H.S.I.P. 2060 psig., B.H.F.P. 100-295 psig., B.H.S.I.P. 1770 psig., H.P. 3340 psig., B.H.T. 123° F.
- 10-22-57 Ran I.L. 5456' - 6222', L.L. 5300' - 6222', M.L.L. 5300' - 6223', G-N  
& 4800' - 6226', and Seismic velocity survey.
- 10-23-57

It is now proposed to cement 7" casing at 6222' w/approximately 200 sax. Secure W.S.O. at 6060'. Selectively perforate and test interval(s) in

(over)  
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company GENERAL PETROLEUM CORPORATION

Address 53 East 4th. South

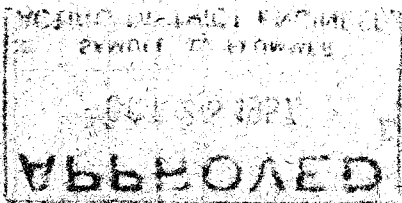
Salt Lake City, Utah

By A.L. Hair *A. L. Hair*  
Title Division Superintendent

"C" Zone and attempt a completion.

The above was verbally approved by Mr. S. L. Plummer on October 24, 1957

NOV 5 1957



**APPROVED**

NOV 16 5 1957

SAMUEL L. PLUMMER

ACTING DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYIndian Agency NavajoAllottee Tribal LandLease No. 14-20-603-2052

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 30, 1957

Well No. Navajo 714-16 is located 660 ft. from N line and 660 ft. from W line of sec. 16SW/4 Sec. 16  
(1/4 Sec. and Sec. No.)40 S. 25E.  
(Twp.) (Range)S.L.B.M.  
(Meridian)

(Field)

San Juan  
(County or Subdivision)RECEIVED  
NOV 1 1957  
U.S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICOThe elevation of the K.B. ~~coring floor~~ above sea level is 5218 ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- 10-24 & 25-57 Circulating waiting for casing.  
10-26-57 Cemented new 7", 23# & 26#, J-55 & N-80 casing at 6222' with 330  
sax. Top of cement 4950' by temperature survey.  
10-27-57 Tested casing at 1000 psig without loss of pressure.  
10-28-57 D.S.T. #4 - Four  $\frac{1}{2}$ " holes @ 6060' - Open 1 hr. - Very faint blow 10  
min., dead 50 min. Rec. 30' slightly gas cut mud - B.H.F.P. 110  
psig. - H.P. 3185 psig. - W.S.O.  
10-29-57 Set retainer @ 5953' - applied 6200 psig. and could not break down  
shot holes. Cleaned out to 6172'. Ran gamma-collar log 5000' -  
6172'.  
10-30-57 Perforating cored interval 6132' - 6143' prep. acid treatment &  
completion.

Attached please find two copies of corrected elevation data by San Juan Engineering Co.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company GENERAL PETROLEUM CORPORATIONAddress 53 East 4th. SouthSalt Lake City, UtahBy A.L. HairTitle Division Superintendent

ALLOTTEE Tribal Lands  
TRIBE Navajo  
LEASE NO. 14-20-603-2052

State Utah County San Juan Field \_\_\_\_\_

Agent's address 53 East 4th South Street Company General Petroleum Corporation  
Salt Lake City, Utah Signed [Signature]

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
									M&BS %	
SW 16	40S	25E	F14	5	776	42.0			8.1	Completed 11/26/57

**No** runs or sales of gasoline during the month. (Write "no" where applicable.)

**Form 9-329A**  
**(December 1948)**

**APPROVED**

**NOV 8 1957**

**SAMUEL L. PLUMMER**  
DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency \_\_\_\_\_  
Allottee **Shibal Road**  
Lease No. **14-20-603-3052**

**SUNDRY NOTICES AND REPORTS ON WELLS**

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

**November 5**, 19**57**

Well No. **71A-16** is located **660** ft. from **S** line and **660** ft. from **W** line of sec. **16**  
**SW 1/4 Sec. 16** (1/4 Sec. and Sec. No.) **40 N.** (Twp.) **25 E.** (Range) **S. 1. B. & N.** (Meridian)  
**K. B.** (Field) **San Juan** (County or Subdivision) **Utah** (State or Territory)

The elevation of the ~~surface~~ above sea level is **5218** ft.

**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**10-26-57** Cemented new 7" O.D., 238 & 268, 3-55 & 11-80 casing at 6222' with 330 cas. Located cement top at 4950' by temperature log.

**10-27-57** Tested casing 1000 psig. - O.K.

**10-28-57** D.S.F. #4. Four 1/2" holes at 6060', 1 hour. - faint blow 10 minutes, dead 50 minutes. Rec. 30' slightly gas out and - B.H.F.P. 110 psig, H.P. 1185 psig. **Y.S.D.**

**10-29-57** Attempted to squeeze holes at 6060'. Could not break down shot holes. Cleaned out to 6172' - Ran gamma-collar log 6172'-5000'.

(over)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **General Petroleum Corporation**

Address **53 West 4th South Street**  
**Salt Lake City, Utah**

By **A. I. Fair**

Title **Division Superintendent**

NOV 13 1957

10-30-57 Jet and gun perforated two holes each 6139'-6150'. Landed 2-7/8" tubing at 6156'. Displaced mud with water.

10-31-57 Washed perforating with 500 gal. mud acid. Acidized with 2000 gal. acid. Well on vacuum.

4:00 P.M. - 8:00 A.M. 96 Bbls. Oil 231 Bbls. Water; (Seabbing.)

11-1-57 8:00 A.M. - 8:00 A.M. 91 Bbls. Oil 52 Bbls. Water. "

11-2-57 8:00 A.M. - 8:00 A.M. 133 Bbls. Oil 31 Bbls. Water. "

11-3-57 8:00 A.M. - 8:00 A.M. 76 Bbls. Oil 7 Bbls. Water. "  
S.I. pending pumping equipment.

Enclosed please find two copies of temperature logs. Other logs will follow as soon as available.



# GENERAL PETROLEUM CORPORATION

A SOCONY-VACUUM COMPANY

53 East 14th South Street  
Salt Lake City, Utah

November 8, 1957

Mr. Samuel L. Plummer  
U. S. Geological Survey  
P. O. Box 965  
Farmington, New Mexico


Mr. Cleon Feight  
Utah Oil & Gas Conservation Comm. ✓  
Room 140, State Capitol  
Salt Lake City, Utah

Dear Sir:

Enclosed please find duplicate prints of the following logs of our Navajo Flh-16 well, located in Section 16, T. 40 S., R. 25 E., S.L.B.&M., San Juan County, Utah:

1. Electric - induction log - scales 1" = 50' and 1" = 20'
2. Gamma - neutron log - scales 1" = 50' and 1" = 20'
3. Laterolog - scales 1" = 50' and 1" = 20'
4. Microlaterolog
5. Gamma - collar log.

Very truly yours,

  
N. W. Schultz  
Div. Petroleum Engineer

NWS:tp

Enclosures

# GENERAL PETROLEUM CORPORATION WELL COMPLETION REPORT ORIGINAL DRILLING

OPERATOR GENERAL PETROLEUM CORPORATION  
WELL NO. NAVAJO #F14-16  
FIELD CAHONE MESA  
SEC. 16, T. 40S, R. 25E S.L. B & M  
STATE Utah COUNTY San Juan  
LOCATION 660' from the south line and 660'  
from the west line of Section 16

Navajo Tribal Lands 14-20-603-  
LAND OFFICE Window Rock, Arizona LEASE NO. 2052  
ELEVATIONS 5218.1' (K.B.) 5207.9' (Grd. ~~WT~~)  
ENGINEER R. C. Mills  
GEOLOGIST G. G. Witter, Jr.  
DATE December 13, 1957  
SIGNED A. L. Hair  
TITLE Division Superintendent

COMMENCED DRILLING September 7, 1957  
COMPLETED DRILLING October 21, 1957  
TOTAL DEPTH 6222' PLUGGED DEPTH 6172'  
JUNK None  
ON PRODUCTION 11/26/57 ~~PRODUCING GAS~~ / PUMPING  
(CROSS OUT UNNECESSARY WORDS)

GEOLOGICAL MARKERS	DEPTH
<u>Hermosa formation</u>	<u>4958' GRN</u>
<u>Upper Hermosa "B" zone</u>	<u>5885' GRN</u>
<u>Paradox member</u>	<u>6040' GRN</u>
<u>Paradox "C" zone</u>	<u>6080' GRN</u>
<u>Paradox "D" zone</u>	<u>6203' GRN</u>

## PRODUCTION DATA

PRODUCTION, CLEAN OIL			GRAVITY CLEAN OIL	TOTAL CUT %	BEAN SIZE	TUBING PRESSURE	CASING PRESSURE	GAS MCF PER DAY
INITIAL	231	B/D	42.3°	6		0 psig	650 psig	50 (est.)
AFTER 15 DAYS	76	B/D	42.0	4		20 psig	20 psig	100 (est.)

## CASING RECORD (PRESENT HOLE)

SIZE OF CASING (A.P.I.)	DEPTH OF SHOE	TOP OF CASING	WEIGHT OF CASING	NEW OR SECONDHAND	SEAMLESS OR LAPWELD	GRADE OF CASING	SIZE OF HOLE DRILLED	NO. OF SACKS OF CEM.	DEPTH OF CEM. IF THRU PERFS.
13-3/8"	242'	15'	54.5#	New	Smls.	J-55	17-1/4"	300	
7"	6222'	14'	23 & 26#	New	Smls.	J-55 N-80	12-1/4" & 9"	& 230	

## PERFORATIONS

SIZE OF CASING	FROM	TO	SIZE OF PERFS.	NO. OF ROWS	DISTANCE BET. CENTERS	METHOD OF PERFS.
7"	6139'	6150'	2 each jets and 1/2" bullets		4 H/ft.	Jet and gun perforated

ELECTRIC LOG DEPTHS 242' to 6222'DRILLED BY Loffland Bros., Drilling Co.



## GENERAL PETROLEUM CORPORATION

## HISTORY OF OIL OR GAS WELL

OPERATOR GENERAL PETROLEUM CORPORATION FIELD CAHONE MESA  
 WELL NO. NAVAJO #F14-16 Sec. 16 T. 40S R. 25E S.L. B&M  
 Signed A. L. Hair  
 DATE December 13, 1957 Title Division Superintendent

Date

1957

All depth measurements refer to the kelly bushing, 10.2' above the ground.

DRILLING AN EXPLORATORY WELLDRILLING TO 289'

9/7  
to  
9/8

Loffland Bros. Drilling Company moved in and rigged up rotary drilling equipment. The well was spudded at 10:30 A.M. on September 7, 1957, and 12-1/4" hole was drilled to 40'. 12-1/4" hole was reamed to 17" to 40' and 12-1/4" hole was drilled from 40' to 289'. 12-1/4" hole was reamed to 17-1/4" from 40' to 242'. Circulation was lost while drilling at approximately 100' and was regained after using 32 sax of lost circulation material.

CEMENTING 13-3/8" CASING AT 242'

9/9  
to  
9/10

247.56' (6 joints) of 13-3/8" O.D., new, 54.5#, J-55, 8-round thread, S.T.& C., Range 3 seamless casing with a Baker float shoe on bottom, was cemented at 242' with 300 sax of Ideal regular cement, mixed with 3% calcium chloride (lime water ahead, displaced one top rubber plug with 33 barrels of water, displacing pressure 150 to 250 psi, left calculated 30' of cement in casing). Completed at 2:30 A.M., September 9, by B.J. Service.

The casing was landed in the cellar with the top at 15'. The casing was tested at 1000 psi for 30 minutes without loss of pressure. After standing 32 hours, the top of cement was located at 189'. The rubber plug, cement and shoe were cleaned out from 189' to 242'. 12-1/4" hole was cleaned out from 242' to 289'.

DRILLING FROM 289' TO 5453'

9/10  
to  
10/2

12-1/4" hole was drilled from 289' to 1510'. After drilling to 1132', the drill collars twisted off. The fishing tool picked up the drill collars on the fourth attempt, but the drill string became stuck. After jarring and spotting oil, the pipe came loose and was recovered. A total of 24 hours was spent fishing.

9" hole was drilled from 1510' to 5453'. Twist-offs occurred while drilling at 2096' and 2208', and the fish were recovered without difficulty. Below 1850' it was usually necessary to wash or ream to bottom on each trip, with conditions being especially severe from 3000' to 4000'. After drilling to 5453', a Schlumberger electric log was run from total depth to 242'.

## GENERAL PETROLEUM CORPORATION

## HISTORY OF OIL OR GAS WELL

OPERATOR GENERAL PETROLEUM CORPORATION FIELD CAHONE MESA  
 WELL NO. NAVAJO #F14-16 Sec. 16 T. 40S R. 25E S.L. B&M  
 Signed A. L. Hair  
 DATE December 13, 1957 Title Division Superintendent

Date1957DRILLING AND CORING FROM 5453' TO 6006'

10/2 9" hole was drilled from 5453' to 5870' and 8-7/8" hole was diamond cored from  
 to 5870' to 6006'. A fish was twisted off and recovered at 5540'.  
 10/12

DRILL STEM TEST OF INTERVAL 5890'/6006'

10/13 A Johnston formation tester was run on dry 4-1/2" drill pipe and 562' of 6" drill collars with 30' of air cushion, initial shut-in tool, hydraulic tool with 3/4" bean, Bowen jars and safety joint, two 7-1/4" bobtail packers and 116' of tail pipe including 55' of perforated, two B.H.P. bombs and a thermometer. The back-scuttle valve was 562' above the tool. The packers were set at 5884' and 5890'. A 30 minute initial shut in was taken. The tool was opened to flow at 8:45 A.M. for 3 hours. There was a weak blow increasing to light after 40 minutes and a light blow decreasing to weak in the remaining 2 hours and 20 minutes. The maximum rate of air flow was 14 Mcf/D. No gas reached the surface. A 30 minute final shut in was taken. The packers were pulled loose at 12:15 P.M. There was a recovery of 3960' (49.5 bbls.) including 360' of gas-cut mud, 200' of gassy, watery mud, 300' of gassy, muddy salt water and 3100' of slightly gassy, slightly muddy salt water (3850-4700 g.c.g.). The initial bottom hole shut-in pressure was 2232 psi (static), the bottom hole flow pressure increased from 301 to 1990 psi, the final shut-in pressure was 2213 psi (approaching static), the hydrostatic pressure was 3202 psi and the bottom hole temperature was 134° F. The tool attempted to plug during the early part of flow period, but was unplugged for the remainder of test.

CORING FROM 6006' TO 6160'

10/13 8-7/8" hole was diamond cored from 6006' to 6160'.  
 to

10/18 DRILL STEM TEST OF INTERVAL 6083'/6160'

10/19 A Johnston formation tester was run on dry 4-1/2" drill pipe and 562' of 6" drill collars with 90' of air cushion, initial shut-in tool, hydraulic tool with 3/4" bean, Bowen jars and safety joint, two 7-1/4" bobtail packers and 77' of tail pipe including 16' of perforated, 2 B.H.P. bombs and a thermometer. The back-scuttle valve was 652' above the tool. The packers were set at 6077' and 6083'. A 30 minute initial shut in was taken. The tool was opened to flow at 3:00 A.M. for 3 hours. There was a light blow for 70 minutes at which time it increased sharply to a medium blow and then decreased to a weak blow during the final 110 minutes. Gas reached the surface in 70 minutes and was gauged at a maximum rate of 44 Mcf/D. The shut-in tool was closed for a 30 minute final shut in. The packers were pulled loose at 6:30 A.M. There was 607' (3.4 bbls.) recovered including 57' of slightly gas-cut mud with a scum of green oil, 460' of very gassy, slightly oily mud, 30' of

## GENERAL PETROLEUM CORPORATION

## HISTORY OF OIL OR GAS WELL

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 Signed A. L. Hair  
 DATE December 13, 1957 Title Division Superintendent

## Date

1957

free green oil and 60' of slightly oily, gassy mud. The initial bottom hole shut-in pressure was 2104 psi (increasing), the bottom hole flow pressure increased from 106 to 225 psi, the final bottom hole shut-in pressure was 1557 psi (increasing), the hydrostatic pressure was 3249 psi and the bottom hole temperature was 135° F.

CORING FROM 6160' TO 6222', TOTAL DEPTH

10/19 8-7/8" hole was diamond cored from 6160' to 6222', total depth.

to  
10/21 DRILL STEM TEST OF INTERVAL 6160'/6222'

10/22 A Johnston formation tester was run on dry 4-1/2" drill pipe and 593' of 6" drill collars with 60' of air cushion, initial shut-in tool, hydraulic tool with 3/4" bean, Bowen jars and safety joint, two 7-1/4" bobtail packers and 62' of tail pipe including 32' of perforated, 2 B.H.P. bombs and a thermometer. The back-scuttle valve was 683' above the tool. The packers were set at 6154' and 6160'. A 30 minute initial shut in was taken. The tool was opened to flow at 3:30 A.M. for 2 hours and 30 minutes. There was a weak blow decreasing to very weak at the end of flow period. No gas reached the surface. A 30 minute final shut in was taken. The packers were pulled loose at 6:30 A.M. There was a recovery of 540' (2.65 bbls.) including 140' of watery mud, 250' of muddy water with a trace of green oil, 90' of slightly watery gas-cut mud and 60' of salt water (7500-9350 g.c.g.). The initial bottom hole shut-in pressure was 2113 psi (increasing), the bottom hole flow pressure increased from 137 to 340 psi, the final bottom hole shut-in pressure was 1898 psi (increasing), the hydrostatic pressure was 3379 and 3337 psi, before and after flow period respectively, and the bottom hole temperature was 124° F.

LOGGING AND REAMING

10/22 Following the drill stem test the hole was cleaned out to total depth. A Schlumberger  
to electric log was run from 6222' to 5453', a gamma ray-neutron log was run from 6222'  
10/24 to 4800', a laterolog was run from 6222' to 5300', a velocity log was run from 6222'  
to 242' and a microlaterolog was run from 6222' to 5300'.

The 8-7/8" hole was reamed to 9" from 5870' to 6222'.

10/25 One day was spent waiting for 7" casing to be delivered.

CEMENTING 7" CASING AT 6222'

10/26 6229.47' (147 joints) of 7" O.D., new, 23# and 26#, J-55 and N-80, 8-round thread,  
to short and long T. & C., Range 3, seamless casing, with a Baker fill-up float shoe  
10/28 on bottom and a Baker float collar at 6175', was cemented at 6222' with 230 sax of  
regular cement, mixed with 2% lime (mixing time 8 minutes, slurry weight 15-16#/gal.

## GENERAL PETROLEUM CORPORATION

## HISTORY OF OIL OR GAS WELL

OPERATOR GENERAL PETROLEUM CORPORATION FIELD CAHONE MESA  
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 Signed A. L. Hair  
 DATE December 13, 1957 Title Division Superintendent

Date1957

(112-120#/cu.ft.), displaced with 251 barrels of mud at 500 psi, bumped one bottom and one top rubber plugs on float collar at 1000 psi final pressure). Completed at 1:15 P.M., October 26, by B.J. Service.

Chemical-Geological Laboratories ran a temperature survey from 4200' to 6030' and located the cement top at approximately 5020'. The casing was cut off and landed in the cellar with top at 14'. After standing 32 hours, the casing was tested with 1000 psi for 30 minutes without loss of pressure. The top of the rubber plugs was located at 6172'.

W.S.O. TEST ON 4 HOLES AT 6060'

10/28 An attempt to test water-shut-off on 4 holes at 6060' was made with a Johnston combination gun and tester, but after pulling the tool it was found that the gun had not fired.

10/29 A Johnston combination gun and casing tester was run on dry 3-1/2" drill pipe and 30' of 4-3/4" drill collars with shut-in tool, hydraulic tool with 3/4" bean, Bowen jars and safety joint, one 7" hook wall packer and 24' of tail pipe including 10' of perforated, 2 B.H.P. bombs and a four-shot gun perforator. Four 1/2" holes were shot at 6060'. The packer was set at 6024' with the tail extending to 6048'. The hydraulic valve was opened at 2:06 A.M. for 1 hour. There was a very faint blow for 10 minutes and no blow for 50 minutes. There was a recovery of 30' (0.1 bbl.) of slightly gas-cut mud. The bottom hole flow pressure was 15 psi throughout flow period and the hydrostatic pressure was 3175 psi. The water-shut-off on 4 holes at 6060' was approved.

ATTEMPTING TO SQUEEZE CEMENT W.S.O. HOLES

10/29 A Baker Model "K" drillable magnesium cement retainer was run on 3-1/2" drill pipe and set at 5953'. The shot holes at 6060' were pressured to 6200 psi, but would not break down. The drill pipe was released from the retainer and pulled. The cement retainer was drilled out with a 6-1/8" bit.

PERFORATING INTERVAL 6139'/6150'

10/30 A McCullough gamma-collar log was run from 6172' to 5000'. The McCullough log depths were 3' shallower than the Schlumberger induction-electric log.

With 10.2#/gal. gel-water mud in the hole, a McCullough 4-1/8" O.D., M-3 gun perforator with 1/2" burrless bullets at 180° spacing with 130 gram charges, was run on a wire line. Casing collars were checked for depth control with a sonic collar locator. The interval 6150' to 6139' was gun perforated with two 1/2" holes per foot; 11' and 22 holes. The perforating depths refer to Schlumberger induction-electric log measurements.

## GENERAL PETROLEUM CORPORATION

## HISTORY OF OIL OR GAS WELL

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1957

A McCullough 5" O.D. double cavity jet perforator with 16 gram standard casing jet charges at 90° spacing, was run. Casing collars were checked and the interval 6150' to 6139' was jet perforated with 2 holes per foot; 11' and 22 holes. The job total was 11' and 44 holes.

LANDING 2-7/8" TUBING AT 6167'

10/30

6153.87' (197 joints) of 2-7/8" O.D., new, 6.6#, J-55, 8-round thread, Range 2 tubing with a pump shoe on bottom, was landed at 6166'. The blowout prevention equipment was removed and the production head was installed.

ACIDIZING

10/31

The mud was displaced from the hole with water. The perforated interval 6139'/6150' was treated with 546 gallons (13 bbls.) of Dowell mud acid. The acid was spotted across the perforations and allowed to soak for 32 minutes. The formation was pressured to 3000 psi and broke down to 2200 psi as 13 barrels of mud acid and 2 barrels of water was squeezed into the formation at 0.54 bbls./min. Completed at 10:34 A.M. An estimated 50 barrels of water and spent acid was swabbed from the well.

The hole was again filled with water and the interval 6139'/6150' was treated with 2000 gallons (48 bbls.) of Dowell Jel-X-100, a retarded 15% hydrochloric acid. The acid was squeezed into the formation at 2.55 bbls./min. and 2500-3000 psi. Completed at 1:38 P.M. The wellhead pressure was 1600 psi at 1:43 P.M., 200 psi at 2:00 P.M., and by 2:30 P.M., the well was on a vacuum.

SWAB TESTING THE WELL10/31  
to  
11/4

Swabbing began at 4:00 P.M., October 31, and the well was swab tested until November 4. During that period, 454 barrels of 42.3° A.P.I. gravity oil was recovered together with 330 barrels of water. There were 286 barrels of water in the well and formation at the beginning of swabbing operations, including 225 barrels of water in the tubing and casing and 61 barrels of acid in the formation. Occasionally the well flowed for periods up to 6 hours before dying.

On an uninterrupted swab test, the well produced 118 barrels of oil and 26 barrels of water in 16 hours. The well was shut in at 2:00 P.M., November 4, and the drilling rig was released.

## GENERAL PETROLEUM CORPORATION

## HISTORY OF OIL OR GAS WELL

OPERATOR GENERAL PETROLEUM CORPORATION FIELD CAHONE MESA  
 WELL NO. NAVAJO #F14-16 Sec. 16 T. 40S R. 25E S.L. B&M  
 Signed A. L. Hair  
 DATE December 13, 1957 Title Division Superintendent

Date

1957COMPLETING

11/22 After standing shut in until 3 P.M., November 22, the tubing pressure was 750  
 to psi and the casing pressure was 930 psi. The well was opened to the tank and  
 12/2 flowed 143 barrels of oil and water before dying. The pump and rods were run,  
 the pumping unit was installed and the well was completed pumping at 6 A.M.,  
November 26, 1957. It produced as follows:

DAILY PRODUCTION

	<u>NET BARRELS</u>	<u>GRAVITY</u>	<u>% CUT</u>	<u>CASING PRESSURE</u>	<u>REMARKS</u>
11/27	231	42°	6.0	650 psi	
11/28	151	42°	8.0	500	
11/29	115	42°	8.0	420	
11/30	102	42°	8.0	640	Bled off casing.
12/1	107	42°	8.0	5	
12/2	117	42°	6.0	5	

PRESENT CONDITION OF WELLCASING RECORD:

13-3/8" casing cemented at 242' with 300 sax.  
 7" casing cemented at 6222' with 230 sax.  
 W.S.O. on 4 holes at 6060'. Jet and gun  
 perforated with 4 holes per foot 6139'/6150'.

TOTAL DEPTH: 6222'PLUGGED DEPTH: 6172'JUNK: None

HOLE SIZE SUMMARY: 17-1/4" Surface to 242'  
 12-1/4" 242' to 1510'  
 9" 1510' to 6222'

ZONE OPEN TO PRODUCTION: Paradox "C" zone

Compiled by R. C. Mills

COMPANY GENERAL PETROLEUM CORP.

LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' K.B. LOCATION: 660' from the south line and 660' from the west line of Section 16, T.40 S., R.25 E., S.L.B. & M.

SPUDED September 7, 1957

COMPLETED November 26, 1957

TOP	BOTTOM	REC'Y	FORMATION
20	30		Sandstone, buff, fine to medium grain, tight, quartzose.
30	50		50% siltstone, buff-gray, clayey; 40% shale, medium-dark gray, clayey texture; 10% coal, earthy.
50	60		100% siltstone, buff-gray, clayey.
60	70		75% siltstone, buff-gray, clayey; 25% shale, medium-dark gray, clayey texture.
70	90		90% sandstone, buff, fine-medium grain, tight, quartzose; 10% shale, medium-dark gray, clayey texture.
90	100		90% sandstone, buff gray, fine grain, poorly sorted, friable; 10% shale, medium-dark gray, clayey texture.
100	130		30% sandstone, buff gray, fine grain, poorly sorted, friable; 30% siltstone, buff; 30% shale, medium-dark gray, clayey texture; 10% coal.
			<u>TOP MORRISON - 135'</u>
130	140		50% sandstone, very fine grain, hard, tight, quartzose; 25% shale, dull green, hard; 25% shale, dark gray-black.
140	210		Shale, dull green with some maroon mottling.
210	220		90% shale, dark gray-black, becoming silty in part; 10% shale, pink gray (contains scattered ferruginous material).
220	260		50% shale, dull green; 50% shale, pink gray (contains scattered ferruginous material).
260	270		90% sandstone, green, very fine grain, silty and clayey; 10% shale, brown.
270	280		60% sandstone, green, very fine grain, silty and clayey; 20% shale, green; 20% shale, brown.
280	289		60% sandstone, green, very fine grain, silty and clayey; 20% sandstone, pink gray, very fine grain, silty and clayey; 20% shale, brown with some green mottling.
289	310		35% sandstone, buff-light gray, very fine-fine grain, tight quartzose; 35% siltstone, light gray-light green, hard; 30% shale, dark gray.
310	320		80% siltstone, greenish gray, very shaly; 20% siltstone, light pink, contains ferruginous material.
320	340		45% siltstone, greenish gray, contains ferruginous material; 45% shale, gray, silty; 10% siltstone, light pink, contains ferruginous material.
340	370		80% siltstone, very light gray, clayey; 20% shale, gray.
370	400		90% siltstone, light green to light gray, clayey; 10% shale, gray.
400	420		40% siltstone, light green to light gray, clayey; 25% siltstone, gray, shaly; 20% shale, gray; 15% siltstone, pink, hard.
420	440		80% siltstone, light green to light gray, salt and pepper appearance; 15% shale, dark gray; 5% siltstone, pink.
440	490		90% siltstone, light green to light gray, shaly, salt and pepper appearance; 5% shale, dark gray; 5% siltstone, pink.

COMPANY GENERAL PETROLEUM CORP.

LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' K.B. LOCATION: 660' from the south line and 660' from the west line of Section 16, T.40 S., R.25 E., S.L.B. & M.

SPUDED September 7, 1957

COMPLETED November 26, 1957

TOP	BOTTOM	REC'Y	FORMATION
490	510		90% sandstone, green, very fine grain, poorly sorted, tight; 5% siltstone, pink; 5% shale, gray-green.
510	550		Siltstone, light green to light gray, sandy to shaly.
550	590		90% siltstone, light green to light gray, sandy to shaly; 10% siltstone, pink, hard.
590	620		60% siltstone, light green to light gray, sandy to shaly; 20% siltstone, pink, hard; 20% shale, green to maroon.
620	640		75% sandstone, white, very fine grain, tight, quartzose; 10% shale, chocolate brown, silty; 10% shale, green; 5% siltstone, pink.
640	660		80% sandstone, white, very fine grain, tight, quartzose; 10% shale, green, silty; 9% siltstone, brown, shaly; 1% siltstone, pink.
660	690		50% sandstone, white, very fine grain, tight, quartzose; 30% siltstone, light green, shaly; 10% shale, chocolate brown, silty; 10% siltstone, pink, shaly.
690	700		70% siltstone, light green to light gray, shaly to sandy; 20% siltstone, brown, shaly; 10% shale, green.
700	710		70% siltstone, light green to light gray, shaly to sandy; 15% shale, maroon, silty; 10% shale, green; 5% siltstone, pink.
710	740		30% shale, light green, silty; 30% siltstone, light green, shaly; 30% shale, chocolate brown, silty; 10% siltstone, pink.
740	790		40% sandstone, white, very fine grain, tight; 30% shale, green, silty; 30% shale, maroon, silty.
790	800		50% shale, maroon, silty in part; 30% sandstone, white, very fine grain, tight; 20% shale, green.
800	810		60% shale, maroon, silty in part; 20% sandstone, white, very fine grain, tight; 20% shale, green.
810	830		70% shale, maroon, silty in part; 15% sandstone, white, very fine grain, tight; 15% shale, green, silty.
830	840		90% shale, maroon, silty; 10% shale, green, silty; trace sandstone, white, very fine grain.
840	850		50% siltstone, light green to light gray, shaly to sandy; 30% shale, maroon; 10% shale, green, silty; 10% sandstone, white, very fine grain, tight.
850	880		50% shale, maroon, silty; 30% sandstone, white, very fine grain, tight; 20% shale, green, very silty.
880	940		30% sandstone, pink, buff-white, very fine grain, tight; 30% shale, maroon; 30% siltstone, light gray-light green, shaly to sandy; 10% siltstone, white-light gray, shaly (salt and pepper appearance).
940	980		50% siltstone, light gray to light green, shaly to sandy; 30% shale, maroon; 20% sandstone, pink-buff, very fine grain, tight.



COMPANY GENERAL PETROLEUM CORP. LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' K.B. LOCATION: 660' from the south line and 660' from the west line of Section 16, T.40 S., R.25 E., S.L.B. &amp; M.

SPUDDED September 7, 1957

COMPLETED November 26, 1957

TOP	BOTTOM	REC'Y	FORMATION
980	1000		40% sandstone, buff, very fine grain, tight; 20% siltstone, light gray to light green, shaly to sandy; 20% shale, maroon; 20% shale, green.  <u>TOP OF ENTRADA - 1062' E.L.</u>
1000	1060		30% sandstone, buff orange, fine grain, tight; 30% shale, chocolate brown; 30% siltstone, light gray to light green, shaly; 10% shale, green.
1060	1080		50% shale, chocolate brown; 20% siltstone, light grey to light gray, shaly; 20% shale, green; 10% sandstone, buff orange, fine grain, tight.
1080	1100		60% shale, chocolate brown; 15% siltstone, light green to light gray, shaly; 15% shale, green; 10% sandstone, buff orange, fine grain, tight.
1100	1130		70% shale, chocolate brown, silty; 15% siltstone, light green, light gray, shaly; 15% shale, light green.
1130	1170		60% shale, chocolate brown, silty; 30% siltstone, light green to light gray, sandy to shaly; 10% sandstone, buff orange, fine grain, tight.
1170	1180		60% shale, chocolate brown, as above; 10% siltstone, light green, shaly; 10% shale, light green; 20% sandstone, buff, fine grain, tight.
1180	1220		30% sandstone, buff, fine grain, tight; 30% siltstone, dull red, shaly; 20% siltstone, light green, shaly; 20% shale, chocolate brown, silty.
1220	1240		40% siltstone, dull red, shaly to sandy; 30% sandstone, buff, fine grain, tight; 15% siltstone, light green, shaly; 15% shale, chocolate brown, silty.
1240	1260		60% siltstone, buff to dull red, shaly to sandy; 30% shale, chocolate brown; 10% siltstone, light green, shaly.  <u>TOP OF NAVAJO - 1263' E.L.</u>
1260	1290		60% siltstone, buff to dull red, as above; 20% shale, chocolate brown; 10% siltstone, light green, shaly; 10% sandstone, buff, fine grain, hard, tight.
1290	1320		60% siltstone, dull red, as above; 20% sandstone, buff, fine grain, hard, tight; 20% sandstone, buff, fine grain, hard, tight; 10% siltstone, light green, shaly; 10% shale, chocolate brown.
1320	1350		40% siltstone, dull red, shaly to sandy; 30% shale, chocolate brown; 15% siltstone, green, shaly; 15% sandstone, buff to white, fine grain, tight.
1350	1370		70% shale, chocolate brown; 15% shale, green; 10% sandstone, buff to white, fine grain, hard, tight; 5% siltstone, dull red, as above.

COMPANY GENERAL PETROLEUM CORP. LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' K.B. LOCATION: 660' from the south line and 660' from the west line of Section 16, T.40 S., R.25 E., S.L.B. &amp; M.

SPUDDED September 7, 1957

COMPLETED November 26, 1957

TOP	BOTTOM	REC'Y	FORMATION
1370	1380		30% siltstone, dull red, as above; 30% shale, chocolate brown; 30% shale, green; 10% sandstone, buff to white, fine grain, tight, hard.
1380	1430		20% sandstone, dull red, fine grain, shaly and silty, hard, tight; 20% sandstone, buff to white, fine to medium grain, tight, hard; 20% siltstone, dull red, shaly; 20% shale, chocolate brown, silty; 20% shale, light green, silty to sandy.
1430	1470		35% siltstone, dull red, sandy to shaly; 25% sandstone, buff to white; 25% shale, chocolate brown, silty; 15% shale, green, sandy and silty.
1470	1500		40% shale, chocolate brown, silty; 25% shale, green, silty to sandy; 20% siltstone, dull red, shaly to sandy; 15% sandstone, buff to white, fine to medium grain, tight.
1500	1530		30% shale, chocolate brown, silty; 30% shale, green, silty to sandy; 30% siltstone, dull red, shaly to sandy; 10% sandstone, buff to white, fine to medium grain.
1530	1550		45% shale, chocolate brown, silty; 20% shale, light green, silty to sandy; 20% siltstone, dull red, shaly to sandy; 15% sandstone, buff to white, fine to medium grain, tight.
1550	1580		45% shale, chocolate brown, silty; 25% sandstone, buff to white, fine to medium grain, tight; 20% shale, light green, silty to sandy; 10% siltstone, dull red, shaly to sandy.
1580	1590		30% sandstone, buff to white, fine to medium grain, tight, quartzose; 30% shale, chocolate brown, silty; 25% shale, green, silty to sandy; 15% siltstone, dull red, shaly to sandy.
1590	1620		50% shale, chocolate brown, silty; 25% shale, green, silty to sandy; 15% siltstone, dull red, shaly to sandy; 10% sandstone, buff to white, fine to medium grain, tight, quartzose.
1620	1640		50% shale, chocolate brown, silty, with some grain mottling; 40% shale, green, silty; 10% siltstone, dull red, shaly to sandy; trace sandstone, buff to white, fine to medium grain, tight.
1640	1650		60% shale, chocolate brown, silty, some green mottling; 40% shale, green, silty to sandy; trace siltstone, dull red, sandy to shaly; trace sandstone, buff to white, fine to medium grain, tight, quartzose.
1650	1660		60% shale, chocolate brown, silty; 20% sandstone, buff to pink to white, fine grain to medium grain, tight, quartzose; 15% shale, green, silty to sandy; 5% siltstone, dull red, sandy to shaly.
1660	1670		40% shale, chocolate brown, silty; 25% sandstone, buff to pink to white; 25% siltstone, green, shaly to sandy; 10% siltstone, dull red, sandy to shaly.

COMPANY GENERAL PETROLEUM CORP. LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' K.B. LOCATION: 660' from the south line and 660' from the west line of Section 16, T.40 S., R.25 E., S.L.B. &amp; M.

SPUDDED September 7, 1957

COMPLETED November 26, 1957

TOP	BOTTOM	REC'Y	FORMATION
1670	1680		60% shale, chocolate brown, silty; 20% sandstone, buff to pink to white, fine grain to medium grain, tight, quartzose; 15% siltstone, green, shaly to sandy.
1680	1720		60% shale, chocolate brown, silty; 20% shale, green, silty to sandy; 10% sandstone, buff to pink to white, fine to medium grain, tight, quartzose; 10% siltstone, dull red, shaly to sandy.
1720	1740		50% shale, chocolate brown; 35% shale, green, silty to sandy; 10% sandstone, buff to pink to white, fine to medium grain, tight, quartzose; 5% siltstone, dull red, shaly to sandy, trace siltstone, orange, red, shaly.
1740	1860		60% shale, chocolate brown, silty; 20% shale, green, silty to sandy; 10% sandstone, buff orange to white, fine to medium grain, tight, quartzose; 5% siltstone, white, shaly; 5% siltstone, dull red, shaly and sandy.
1860	1890		60% shale, chocolate brown, silty; 20% shale, green, silty and sandy; 5% siltstone, very light gray, shaly; 5% sandstone, buff to white to pink, fine to medium grain, tight; 5% siltstone, dull red, shaly and sandy; trace siltstone, pink-orange, shaly.
1890	1910		50% shale, chocolate brown, silty; 20% siltstone, green, shaly to sandy; 20% sandstone, buff to white, tight, quartzose; 10% siltstone, dull red, shaly to sandy; slight trace siltstone, pink orange, shaly.
1910	1920		40% shale, chocolate brown, silty; 30% siltstone, green, shaly to sandy; 10% siltstone, light gray, shaly; 10% siltstone, dull red, shaly to sandy; 5% sandstone, light green, fine grain, tight; 5% sandstone, buff to white, fine grain, tight.
			<u>TOP OF CHINLE - 1938' E.L.</u>
1920	1990		50% shale, chocolate brown, silty; 30% shale, light gray to light green, silty to sandy; 10% siltstone, dull red, sandy to shaly; 5% sandstone, light green to white, fine grain, tight; trace sandstone, buff to white, fine to medium grain, tight; trace shale, pink.
1990	2080		50% shale, chocolate brown, silty; 30% shale, light green, silty to sandy; 10% siltstone, dull red, shaly to sandy; 5% siltstone, light gray, shaly; traces shale, pink to rose color.
2080	2350		50% shale, chocolate brown, silty; 20% shale, light green, silty to sandy; 10% shale, red to pink; 10% siltstone, dull red, sandy to shaly; 10% sandstone, orange-buff-gray, fine grain, tight, shaly.
2350	2420		40% shale, chocolate brown, silty; 30% siltstone, rusty red; 20% shale, green, silty to sandy; 10% shale, dull red, silty to sandy.

COMPANY GENERAL PETROLEUM CORP. LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' K.B. LOCATION: 660' from the south line and 660' from the west line of Section 16, T.40 S., R.25 E., S.L.B. &amp; M.

SPUDDED September 7, 1957

COMPLETED November 26, 1957

TOP	BOTTOM	REC'Y	FORMATION
2420	2440		60% siltstone, rust red, calcareous; 30% shale, chocolate brown, silty; 15% siltstone, green, sandy to shaly; 5% siltstone, dull red, shaly.
2440	2450		40% siltstone, rust red, as above; 30% shale, chocolate brown, silty; 20% siltstone, green, as above; 5% siltstone, dull red, as above; 5% siltstone, gray, shaly.
2450	2460		50% shale, chocolate brown, silty; 20% siltstone, rust red, as above; 20% siltstone, green, as above; 5% siltstone, dull red, shaly; 5% siltstone, gray, shaly.
2460	2630		60% shale, chocolate brown, silty; 25% shale, green to light gray, silty; 15% siltstone, dull red, shaly to sandy.
2630	2640		60% shale, dull red, silty in part; 30% shale, maroon; 10% shale, green, silty.
2640	2800		90% shale, dull red to maroon, silty in part; 5% shale, chocolate brown; 5% shale, green, silty.
2800	2900		80% shale, dull red to maroon, silty, hard, calcareous; 15% limestone, maroon to light dull green, dense; 5% shale, green, silty.
			<u>TOP OF SHINARUMP - 2888' E.L.</u>
2900	2930		All as above with good trace sandstone, light gray to white, fine to coarse grain, sub-angular, tight, hard, quartz and scattered dark minerals.
2930	2960		80% shale, dull red to maroon, silty, hard, calcareous; 10% sandstone, light gray to white, medium to coarse grain, hard, tight, sub-angular, quartzose with abundant dark minerals; 5% limestone, maroon to light green, dense; 5% shale, brown to dull green.
2960	2990		60% shale, dull red to maroon, silty, calcareous; 20% sandstone, light gray to light green to white, medium to coarse grain, hard, tight, angular, quartzose with considerable dark minerals; 10% limestone, light gray, brown tinge, dense; 10% shale, green to brown to purple.
2990	3060		60% shale, dull red to maroon, as above; 20% sandstone, as above; 20% shale, green to brown to purple.
3060	3120		75% shale, dull red to maroon, as above; 15% shale, green to brown to purple; 10% sandstone, as above.
			<u>TOP OF DE CHELLY - 3100' E.L.</u>
3120	3170		All as above with slight trace siltstone, rust color, sandy in part.
3170	3250		40% siltstone, as above; 30% shale, dull red to maroon, as above; 15% shale, green to gray to lavender; 10% sandstone, as above; trace quartz grains, very coarse, amber color.

COMPANY GENERAL PETROLEUM CORP. LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' K.BLOCATION: 660' from the south line and 660' from the west line of Section 16, T.40 S., R.25 E., S.L.B. &amp; M.

SPUDDED September 7, 1957

COMPLETED November 26, 1957

TOP	BOTTOM	REC'Y	FORMATION
3250	3300		50% shale, dull red to maroon; 20% siltstone, as above; 20% shale, gray to gray green; 10% shale, brown to lavender.
3300	3410		40% siltstone, as above; 40% shale, dull red to maroon; 20% shale, gray to gray green; trace sandstone, gray to white, fine to coarse, tight, quartzose with scattered dark minerals.
3410	3480		50% siltstone, rust color; 40% shale, dull red to maroon; 10% shale, brown to green to gray.
3480	3490		80% siltstone, as above; 10% shale, dull red to maroon; 10% shale, green to green gray, silty to sandy.
3490	3540		70% siltstone, as above; 20% shale, gray to green to purplish brown; 10% shale, dull red to maroon.
3540	3600		60% siltstone, as above; 30% shale, gray to green to purplish brown; 10% shale, dull red to maroon; traces sandstone, light gray to light green, fine to coarse grain, tight.
3600	3770		50% siltstone, as above; 45% shale, dull green to purplish brown; 5% shale, dull red to maroon; 5% sandstone, gray to green, fine to coarse grain, tight.
3770	3790		80% siltstone, rust color, sandy in part; 10% shale, dull green to dark purple brown; 5% shale, maroon, silty in part; 5% sandstone, gray to green, fine to coarse, hard, tight.
3790	3850		60% siltstone, as above; 30% shale, maroon, silty in part; 10% shale, dull green to dark purple brown, trace sandstone as above.
3850	3950		70% siltstone, dull red to rust color, shaly to sandy, micaceous in part; 10% shale, maroon; 10% shale, deep purple; 5% siltstone, green, shaly in part; 5% sandstone, fine to coarse grain, angular, tight, feldspathic.
3950	4020		95% siltstone, dull red to maroon, sandy to shaly, micaceous in part; traces siltstone, light green, trace shale, green; trace shale, deep purple, trace sandstone, white, fine to coarse grain, tight.
4020	4070		90% shale and siltstone, dull red to maroon; 5% siltstone, light green to light gray; trace limestone, red to green; trace shale, green.
4070	4110		Missing.
4110	4270		As above with trace sandstone, dull green, coarse grain, tight.
4270	4290		As above with 5% shale, green.
4290	4520		80% shale and siltstone, as above; 10% shale, dull green; 5% siltstone, green; trace limestone, green to gray, trace sandstone, white, fine to coarse grain, tight; trace shale, brown.
4520	4550		70% shale and siltstone, rust red to maroon to reddish brown; 10% shale, dull green, silty; 10% siltstone, dull green to light green; 5% sandstone, light green to light gray, tight, coarse grain, arkosic and dirty; 5% shale, brown to lavender.

COMPANY GENERAL PETROLEUM CORP. LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' K.B. LOCATION: 660' from the south line and 660' from the west line of Section 16, T.40 S., R.25 E., S.L.B. &amp; M.

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COMPLETED November 26, 1957

TOP	BOTTOM	REC'Y	FORMATION
4550	4600		60% shale and siltstone, as above; 15% shale, dull green, silty; 10% siltstone, dull green; 10% shale, deep purple; 5% sandstone, white to light gray to light green, fine to coarse grain, tight, clayey and micaceous.
4600	4700		75% shale and siltstone, as above; 10% shale, deep purple; 10% shale and siltstone, dull to light green; 5% sandstone, as above.
4700	4900		As above with trace limestone, dark gray, dense.  <u>TOP OF RICO - 4900' Sample</u>
4900	4950		50% shale and siltstone, as above; 30% shale, lavender, silty; 10% shale and siltstone, light green to dull green; 5% sandstone, fine to coarse, green to light gray, angular; trace limestone, dark gray, dense; trace shale, dark gray to black.  <u>TOP OF HERMOSA - 4960' E.L.</u>
4950	5000		80% shale and siltstone, as above; 15% shale and siltstone, light green to dull green; trace sandstone, as above; trace limestone, as above; trace shale, lavender, as above.
5000	5030		50% shale and siltstone, rust color to dull red to reddish brown; 30% shale and siltstone, light green to dull green; 10% sandstone, light green to light gray, fine to coarse grain, tight; good trace shale, gray; good trace limestone, light to dark gray, dense; trace shale, lavender, silty.
5030	5040		40% shale and siltstone, rust color to dull red to red brown; 30% shale and siltstone, light green to dull green; 15% limestone, light gray to dark gray, dense; 10% shale, gray; trace sandstone, as above; trace shale, lavender, as above.
5040	5060		55% shale and siltstone, rust color, etc., as above; 30% limestone, light gray to dark gray, hard, dense; 10% shale, medium gray to dark gray; 5% shale and siltstone, light green to dull green; traces sandstone, as above.
5060	5080		70% shale and siltstone, as above; 15% shale, dark gray; 10% limestone, as above; 5% sandstone, light green to light gray, fine to coarse grain, tight.
5080	5120		80% shale and siltstone as above; 15% shale, dark gray; 5% shale and siltstone, light green to dull green; trace limestone, as above.
5120	5130		60% shale and siltstone, dull red to pink red; 15% limestone, gray to light buff, hard, micro-crystalline, dense; 10% shale, dark gray; 10% shale, brown, silty; 5% siltstone, light gray.

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WELL NO. F14-16

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TOP	BOTTOM	REC'Y	FORMATION
5130	5160		45% shale and siltstone, as above; 30% limestone, as above; all others as above. Note: Below this point, red shales and siltstones, etc., shall be considered as cavings and described as such.
5160	5170		50% shale, gray to dull green, limey; 40% limestone, gray to light buff, hard, dense; 10% sandstone, white to light gray, fine grain, hard, tight; 40% cavings.
5170	5180		60% limestone, as above; 30% shale, as above; 10% sandstone, as above; 40% cavings.
5180	5190		50% shale, light brown, calcareous; 30% limestone, as above; 20% shale, dull green, silty; 30% cavings.
5190	5210		50% limestone, as above; 50% shale, gray green, silty in part; 60% cavings.
5210	5220		50% limestone, gray to light buff, hard, dense, few pieces may have dead oil stain plus very slight porosity; 40% shale, dull gray green, silty in part; 10% sandstone, pink to white, fine to medium grain, angular, hard, tight, quartzose; 50% cavings.
5220	5230		50% shale, as above; 40% shale, brown, silty; 10% limestone, as above; 50% cavings.
5230	5240		50% shale, dull gray green, as above; 25% limestone, as above; 25% shale, brown, silty; 50% cavings.
5240	5280		70% shale, dull green gray, as above; 15% shale, brown, silty; 15% limestone, as above; trace sandstone, green, fine grain, hard, tight; 40% cavings.
5280	5290		50% shale, dull green, gray, silty in part; 50% limestone, light gray with slight tan tinge, micro-crystalline, hard, silty to sandy in part; 20% cavings.
5290	5320		40% limestone, as above; 30% shale, as above; 30% shale, brown, silty; 20% cavings.
5320	5330		60% shale, dull gray green, silty in part; 25% shale, brown, silty in part; 10% sandstone, white, fine grain, hard, tight, quartzose; 5% limestone, buff to light buff, hard, dense; 20% cavings.
5330	5350		As above with 40% cavings.
5350	5400		70% shale, dull gray green, as above; 25% shale, brown, as above; 5% limestone, as above; trace sandstone, as above; 30% cavings.
5400	5420		60% shale, dull gray green, as above; 20% shale, brown, as above; 20% limestone, light gray with buff to light green tinge, hard, micro-crystalline, dense; trace sandstone, light gray to ash, fine to medium grain, hard, tight; 20% cavings.
5420	5430		70% shale, dull gray green, as above; 30% shale, brown, as above; trace sandstone, as above; 10% cavings.
5430	5450		70% shale, dull green, as above; 20% shale, brown, as above; 10% limestone, as at 5400'; trace sandstone, as above; 10% cavings.

COMPANY GENERAL PETROLEUM CORP. LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' K.B. LOCATION: 660' from the south line and 660' from the west line of Section 16, T.40 S., R.25 E., S.L.B. &amp; M.

SPUDDED September 7, 1957

COMPLETED November 26, 1957

TOP	BOTTOM	REC'Y	FORMATION
5450	5490		50% limestone, medium to dark gray, micro-crystalline, hard, dense, argillaceous; 40% shale, dark gray, calcareous; 5% shale, brown; 5% shale, dull green to light green; 15% cavings.
5490	5500		50% limestone, as above; 20% shale, dark gray, as above; 20% shale, dull green to light green; 10% shale, brown; trace sandstone, light green to light gray, fine to coarse grain, hard, tight; 30% cavings.
5500	5520		50% limestone, as above; 30% shale, dark gray, as above; 10% shale, dull to light green; 10% shale, brown; trace sandstone, light green to light gray, as above; 30% cavings.
5520	5530		40% limestone, as above; 40% limestone, medium gray with green tint, micro-crystalline, hard, dense, silty to shaly; 10% shale, dark gray, as above; 10% shale, brown; trace sandstone, as above; 15% cavings.
5530	5540		70% limestone, medium gray to light gray, micro-crystalline, dense, very silty in part; 10% limestone, medium to dark gray, hard, dense, micro-crystalline, argillaceous; 10% shale, dark gray; 10% shale, brown; 5% cavings.
5540	5550		40% limestone, medium gray to light gray, as above; 40% limestone, medium to dark gray, as above; 10% shale, dark gray; 10% shale, brown; 20% cavings.
5550	5580		50% limestone, medium to dark gray, as above; 30% shale, dark gray, as above; 10% limestone, medium gray to light gray, as above; 10% shale, brown; trace sandstone, light green to light gray, fine grain, hard, tight; 30% cavings.
5580	5590		50% limestone, medium to light gray, micro to fine crystalline, hard, dense, few scattered fossils; 40% shale, dark gray, silty in part, calcareous; 10% limestone, dark gray, hard, dense, micro-crystalline; trace sandstone, light green to light gray, fine grain, hard, tight; trace shale, brown; 15% cavings.
5590	5600		70% shale, dark gray, as above; 20% limestone, dark gray, as above; 10% shale, brown; 15% cavings.
5600	5610		55% shale, dark gray with green tinge; 25% shale, brown; 20% limestone, medium to light gray, micro-fine crystalline, hard, dense, fossiliferous in part; traces shale and siltstone, light green; 10% cavings.
5610	5620		55% shale, dark gray with green tinge; 30% limestone, as above; 15% shale, brown; 10% cavings.
5620	5630		70% shale, dark gray with green tinge; 15% limestone, as above; 15% shale, brown; trace siltstone and shale, light green; trace sandstone, white, fine grain, hard, tight.
5630	5660		60% shale, very dark gray to black, very calcareous, hard; 20% limestone, dark gray, hard, dense, argillaceous; 10% limestone as above, few particles with yellow fluorescence, no cut; 10% shale, brown; 20% cavings.



COMPANY GENERAL PETROLEUM CORP. LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' K.B. LOCATION: 660' from the south line and 660' from the west line of Section 16, T.40 S., R.25 E., S.L.B. &amp; M.

SPUDED September 7, 1957

COMPLETED November 26, 1957

TOP	BOTTOM	REC'Y	FORMATION
5660	5690		40% shale, very dark gray, as above; 40% shale, brown; 15% limestone, dark gray, as above, one particle with yellow fluorescence and cut; 5% limestone, light gray, as above, scattered yellow fluorescence, no cut; 10% cavings.
5690	5700		40% limestone, medium to light gray with slight green tint, micro-crystalline, hard, dense, fossiliferous (crinoids and fusilinids), shows yellow fluorescence, no cut, probably mineral fluorescence; 30% shale, brown; 20% shale, dark gray, calcareous; 10% limestone, dark gray, hard, dense, argillaceous; 20% cavings.
5700	5760		40% shale, gray to green gray, calcareous, silty in part, slight scattered oil fluorescence 40-50; 40% shale, brown; 20% limestone, medium to light gray as above, fluorescence as above; 20% cavings.
5760	5770		50% shale, gray to green gray, as above; 30% limestone, medium to light gray, as above; 15% shale, brown; 5% siltstone, light gray, hard, sandy in part; 20% cavings.
5770	5780		70% limestone, medium to light gray, micro to fine crystalline, hard, dense, fossiliferous in part, fluorescence as above; 20% shale, gray, as above; 10% shale, brown; 15% cavings.
5780	5790		40% shale, gray, as above; 30% limestone, as above; 30% shale, brown with very scattered blue yellow fluorescence, no cut; 15% cavings.
5790	5800		50% shale, gray, as above; 40% shale, brown; 10% limestone, as above; trace sandstone, white, hard, tight; 15% cavings.
5800	5810		50% shale, gray, calcareous, silty; 30% shale, brown, silty; 20% limestone, light gray, micro to fine crystalline, hard, dense, fossiliferous in part, general pale yellow fluorescence, no cut; 20% cavings.
5810	5820		40% shale, gray, as above; 30% shale, brown; 30% limestone, as above; 20% cavings.
5820	5830		50% shale, brown; 35% limestone, as above; 15% shale, gray, as above; 15% cavings.
5830	5840		50% shale, gray, as above; 30% limestone, as above; 20% shale, brown; 15% cavings.
5840	5850		40% shale, gray, as above; 30% shale, brown; 20% limestone, as above; 10% siltstone, dull to light green, shaly; 15% cavings.
5850	5860		60% shale, brown; 30% shale, gray, as above; 5% limestone, as above; 5% siltstone, as above; 15% cavings.
5860	5870		40% limestone, light gray, micro-crystalline, hard, dense, fossiliferous in part, pale yellow fluorescence, no cut; 40% shale, gray, hard, calcareous, silty in part; 20% shale, brown, calcareous; trace sandstone, green to white, fine grain, hard, tight, shaly; 15% cavings.

COMPANY GENERAL PETROLEUM CORP. LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' K.B. LOCATION: 660' from the south line and 660' from the west line of Section 16, T.40 S., R.25 E., S.L.B. &amp; M.

SPUDED September 7, 1957

COMPLETED November 26, 1957

TOP	BOTTOM	REC'D	FORMATION
<u>CORE #1 5870'/5906' Rec. 36'</u>			
5870	5876	6'	Limestone, very dark gray, hard, dense, very argillaceous, few horizontal fractures, few vertical limestone "veins", medium gray, no shows.
5876	5881	5'	Shale, black, hard, calcareous, fissile, fossiliferous (small brachiopods).
5881	5883	2'	Limestone, medium gray, micro to very fine crystalline, hard, dense, fossiliferous.
<u>TOP "B" ZONE - 5885'</u>			
5883	5885	2'	Limestone, dark gray, micro-crystalline, hard, dense, few tight, vertical fractures with slight bleeding brown oil.
5885	5891	6'	Limestone, medium gray, micro-crystalline, hard, dense, scattered broken fossil fragments in lower 2', horizontal and diagonal jagged fractures in upper part, strong petrol odor 85-88.
5891	5893-1/2	2-1/2'	Shale, dark gray, hard, calcareous, fossiliferous.
5893-1/2	5894	1/2'	Shale, black, hard, slightly calcareous, sooty, slickensided.
5894	5895	1'	Limestone, medium gray, micro-crystalline, hard, dense, few horizontal fractures, petrol odor and very slight bleeding gas from fractures.
5895	5896	1'	Limestone, medium to dark gray, micro to fine crystalline, very slight inter-crystalline porosity, horizontal and vertical fractures, good stain, bleeding gas and brown oil from fractures.
5896	5897	1'	Limestone, medium gray, micro-crystalline, hard, dense, few horizontal fractures, petrol odor and very slight bleeding gas from fractures.
5897	5906	9'	Limestone, medium to dark gray, micro-crystalline, hard, dense, scattered horizontal and vertical fractures, no shows.
<u>CORE #2 5906'/5959' Rec. 53'</u>			
5906	5907-1/2	1-1/2'	Limestone, dark gray, micro-crystalline, hard, dense.
5907-1/2	5909	1-1/2'	Limestone, dark gray, micro-crystalline, hard, dense, argillaceous.
5909	5910	1'	Limestone, medium to dark gray, micro-crystalline, hard, dense, tight, horizontal and vertical hairline fractures, slight petrol odor.
5910	5911	1'	Limestone, medium to dark gray, micro-crystalline, hard, dense, argillaceous in part, petrol odor on fresh break.
5911	5912	1'	Limestone, as at 5910-5911', becoming somewhat dolomitic.
5912	5916	4'	Limestone, medium gray, micro to very fine crystalline, hard, dense.
5916	5917	1'	Limestone, medium to dark gray, micro-crystalline, hard, dense, argillaceous, slight odor on break.

COMPANY GENERAL PETROLEUM CORP. LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' K.B. LOCATION: 660' from the south line and 660' from the west line of Section 16, T.40 S., R.25 E., S.L.B. &amp; M.

SPUDDED September 7, 1957

COMPLETED November 26, 1957

TOP	BOTTOM	REC'Y	FORMATION
			<u>CORE #2 5906'/5959' Rec. 53' (Continued)</u>
5917	5921	4'	Limestone, medium to light gray, very fine crystalline, hard, dense, fossiliferous (fusulinids), few stylolites, few horizontal and vertical hairline fractures, petrol odor on break.
5921	5926	5'	Limestone, medium gray, micro-crystalline, hard, dense, slightly fossiliferous, petrol odor on break.
5926	5938	12'	Limestone, dark gray with brown tinge, micro-crystalline, hard, dense, fossiliferous (mainly crinoids), fairly argillaceous with shale laminae 5928-29, few stylolites.
5938	5940	2'	Limestone, medium to light gray, micro to fine crystalline, hard, dense, fossiliferous (few brachiopod fragments, crinoids), stylolitic, good petrol odor.
5940	5943-1/2	3-1/2'	Limestone, dark gray with brown tinge, micro-crystalline, hard, dense, abundantly fossiliferous (fusulinids and whole brachiopods), petrol odor throughout.
5943-1/2	5944	1/2'	Limestone, as at 5938-5940.
5944	5949	5'	Limestone, as at 5940-5943-1/2 with 2" band of black chert at 5945-1/2.
5949	5953	4'	Limestone, dark gray with brown tinge, micro-crystalline, hard, dense, very fossiliferous (fusulinids only), strongly fractured 5950-1/2-5951, few stylolites, petrol odor.
5953	5959	6'	Limestone, medium to light gray with brown tinge, hard, dense, fossiliferous (whole brachiopods and fusulinids), few vertical hairline fractures, no visible porosity, good petrol odor throughout, bleeding very slight amount of oil and gas 5954-5957.
			<u>CORE #3 5959'/6006' Rec. 24'</u>
5959	5970	11'	Limestone, medium to dark gray with brown tinge, micro-crystalline, hard, dense, fossiliferous (largely crinoid stem fragments), few tight hairline fractures, few jagged diagonal fractures, slickensided horizontal partings 5964-5965, few shale laminae 5959-5960, few scattered stylolites, slight sour petrol odor on fresh break.
5970	5975	5'	Limestone, dark gray, with slight brown tinge, micro-crystalline, hard, dense, somewhat argillaceous, few fossils (crinoid stem fragments), petrol odor on break.
5975	5976	1'	Limestone, medium gray with brown tinge, micro to fine crystalline, hard, dense, abundant fossils (largely crinoid stem fragments), fair petrol odor, 2" shale bed at 5975.
5976	5979	3'	Limestone, medium gray with brown tinge, micro to fine crystalline, hard, dense, few fossils (fusulinids, crinoid fragments), fair petrol odor.
5979	5980	1'	Limestone, dark gray, micro-crystalline, hard, dense, very argillaceous.

COMPANY GENERAL PETROLEUM CORP.

LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' K.B. LOCATION: 660' from the south line and 660' from the west line of Section 16, T.40 S., R.25 E., S.L.B. &amp; M.

SPUDDED September 7, 1957

COMPLETED November 26, 1957

TOP	BOTTOM	REC'Y	FORMATION
			<u>CORE #3 5959'/6006' Rec. 24' (Continued)</u>
5980	5981	1'	Limestone, medium gray with brown tinge, micro to fine crystalline, hard, dense, fossiliferous (fusulinids and crinoids), slight sour petrol odor.
5981	5983	2'	Limestone, medium to light gray, micro-crystalline matrix, fine crystalline secondary calcite, fair to good vugular porosity (vugs to 1/4"), very fossiliferous (abundant brachiopod fragments), rock is probably a brachiopod shell hash, faint sour odor, no bleeding.
5983	6006		<u>Missed.</u>
			<u>CORE #4 6006'/6055' Rec. 15'</u>
6006	6012	6'	Limestone, medium to light gray, fair to good vugular and pin point porosity (small vugs up to 1/8"), incipient stylolites, fossiliferous (has few recognizable brachiopods, many curved tabular fragments, probably brachiopod fragments), contains angular chunks of light gray dense limestone, rock in general appears as a brachiopod and limestone breccia "hash", fine crystalline secondary calcite lining vugs, has scattered white crystalline anhydrite filling in few vugs, fair bleeding salt water.
6012	6014	2'	Limestone, as at 6006-6012 with fair to poor vugular and pin point porosity, stylolitic, tight vertical fractures, abundant white crystalline anhydrite filling porosity, fair bleeding salt water.
6014	6017	3'	Dolomite, medium to light gray, micro to fine crystalline, fair pin point and slightly vugular porosity, fossiliferous (brachiopod fragments), abundant clear crystalline anhydrite scattered throughout, numerous white crystalline anhydrite nodules up to 1" diameter, bleeding salt water.
6017	6021	4'	Dolomite, light gray, micro-crystalline, hard, slight pin point porosity, few recognizable fossils, appears silty to clayey, numerous white crystalline anhydrite nodules, no shows.
6021	6055		<u>Missed.</u>
			<u>CORE #5 6055'/6107' Rec. 52'</u>
6005	6074	19'	Shale, black, hard, calcareous, sooty, somewhat micaceous, scattered crustacean fragments, petrol odor.
6074	6077	3'	Limestone, dark gray, micro-crystalline, hard, dense, slight dolomitic, argillaceous with few shale laminae, slight fossiliferous (whole brachiopods), petrol odor, bleeding slight amount of gas and green oil in partings 6076-6077.
6077	6081	4'	Limestone, medium gray, micro-crystalline, hard, dense, slightly silty and micaceous, petrol odor.
			<u>TOP "C" ZONE - 6080'</u>

COMPANY GENERAL PETROLEUM CORP. LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' KB LOCATION: 660' from the south line and 660' from the west line of Section 16, T.40 S., R.25 E., S.L.B. &amp; M.

SPUDDED September 7, 1957

COMPLETED November 26, 1957

TOP	BOTTOM	REC'Y	FORMATION
CORE #5 6055'/6107' Rec. 52' (Continued)			
6081	6087-1/2	6-1/2'	Dolomite, medium to dark gray, micro-crystalline, hard, dense, quite argillaceous becoming more shaly and slightly anhydritic at lower end, strong petrol odor, scattered bleeding gas and oil on partings.
6087-1/2	6093	5-1/2'	Anhydrite, medium to light gray, dense, few dolomitic medium gray limestone stringers in dendritic pattern.
6093	6099	6'	Anhydrite, as at 6087-1/2-6093 with abundant dolomitic limestone stringers in dendritic pattern.
6099	6101	2'	Limestone, dark gray, micro-crystalline, hard, dense, dolomitic, very argillaceous with shale laminae, petrol odor, very scattered slight bleeding gas and green oil.
6101	6104	3'	Dolomite, medium gray with dull olive cast, micro-crystalline, dense, appears somewhat silty and clayey, strong odor petrol.
6104	6107	3'	Limestone, dark gray, hard, dense, dolomitic, argillaceous, petrol odor.
CORE #6 6107'/6160' Rec. 53'			
6107	6112-1/2	5-1/2'	Limestone, medium to dark gray, micro-crystalline, hard, dense, fossiliferous (scattered small whole brachiopods), shale laminae 6108-09, 6111-12, petrol odor.
6112-1/2	6121-1/2	9'	Limestone, medium gray, micro to fine crystalline, hard, dense, fossiliferous in part (fusulinids, scattered brachiopods), scattered tight horizontal fractures, slightly dolomitic, faint petrol odor.
6121-1/2	6125	3-1/2'	Limestone, medium to light gray, micro to fine crystalline, hard, dense, slight trace inter-crystalline porosity, slightly fossiliferous (brachiopods, fusulinids), scattered fine veining of fine crystalline secondary anhydrite, stylolitic, petrol odor.
6125	6132-1/2	7-1/2'	Dolomite, medium gray to light gray, micro-crystalline, hard, dense, slightly fossiliferous (few scattered shell fragments), few thin shale laminae, appears slightly clayey, trace small anhydrite nodules, good petrol odor.
6132-1/2	6142-1/2	10'	Limestone, medium to light gray, fair to poor vugular porosity, primarily composed of angular fragments of dense limestone with brachiopod fragments between, vugular porosity between limestone fragments, fusulinids in limestone fragments, trace crystalline anhydrite filling porosity, few vertical fractures, good odor, 50% blue yellow fluorescence and cut.
6142-1/2	6146	3-1/2'	Limestone, medium to light gray, micro to fine crystalline, hard, dense, slight inter-crystalline porosity, fine secondary calcite veining, incipient horizontal and vertical hairline fractures, good odor.
6146	6147	1'	Dolomite, medium to light gray, all as above.

COMPANY GENERAL PETROLEUM CORP. LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' K.B. LOCATION: 660' from the south line and 660' from the west line of Section 16, T.40 S., R.25 E., S.L.B. &amp; M.

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TOP	BOTTOM	REC'Y	FORMATION
			<u>CORE #6 6107'/6160' Rec. 53' (Continued)</u>
6147	6148	1'	Dolomite, light gray, micro-crystalline to micro-sucrosic, poor incipient vugular porosity, slightly fossiliferous (scattered shell fragments), strong odor, 50% blue yellow fluorescence and cut.
6148	6149	1'	Dolomite, medium gray, micro-crystalline, hard, dense, argillaceous with shale laminae, scattered crystalline anhydrite, fair odor.
6149	6151	2'	Dolomite, light gray with buff tinge, hard, dense, scattered small anhydrite nodules and crystals, appears clayey, fair odor.
6151	6153	2'	Dolomite, dark gray, micro-crystalline, hard, dense, fine shale laminae, stylolitic, vertical fractures, slight odor.
6153	6154-1/2	1-1/2'	Dolomite, as at 6149-6151 with scattered anhydrite nodules up to 1/2" diameter.
6154-1/2	6160	5-1/2'	Dolomite, medium to light gray with buff tinge, micro-crystalline to micro-sucrosic, fair to poor vugular and inter-crystalline porosity, clear crystalline anhydrite partially filling porosity, fossiliferous (obliterated fragments), horizontally contorted fine shale laminae in lower portion, good odor, 50% fluorescence and cut.
			<u>CORE #7 6160'/6204' Rec. 44'</u>
6160	6164	4'	Limestone, light gray, micro-crystalline to micro-sucrosic, hard, poor to very poor inter-crystalline and incipient vugular porosity, fossiliferous (brachiopod fragments, fusulinids), numerous fine horizontal contorted shale laminae, dolomitic, scattered fine crystalline secondary anhydrite filling porosity, no odor, appears wet.
6164	6166-1/2	2-1/2'	Dolomite, light gray with buff tinge, micro to fine crystalline, hard, poor to fair inter-crystalline and incipient vugular porosity, fossiliferous (unidentifiable fragments), scattered secondary anhydrite crystals, no odor, appears wet.
6166-1/2	6167-1/2	1'	Dolomite, dark gray, micro-crystalline, slight trace incipient vugular porosity, slightly fossiliferous (whole brachiopods), scattered secondary anhydrite crystals and nodules, fair petrol odor, slight bleeding gas and salt water.
6167-1/2	6168-1/2	1'	Dolomite, medium gray, micro-crystalline, hard, dense, slightly clayey with a few contorted shale laminae, scattered anhydrite nodules up to 1/2" diameter, fair petrol odor, slight bleeding gas and salt water on partings.

COMPANY GENERAL PETROLEUM CORP. LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' K.B. LOCATION: 660' from the south line and 660' from the west line of Section 16, T.40 S., R.25 E., S.L.B. &amp; M.

SPUDDED September 7, 1957

COMPLETED November 26, 1957

TOP	BOTTOM	REC'Y	FORMATION
<u>CORE #7 6160'/6204' Rec. 44' (Continued)</u>			
6168-1/2	6170	1-1/2'	Dolomite, medium to dark gray, micro-crystalline to micro-sucrosic, hard, dense with scattered bands of poor incipient vugular porosity, fossiliferous (scattered brachiopod fragments, mostly molds with shell partially dissolved), scattered small anhydrite inclusions, argillaceous in part, fair odor, slight bleeding gas and salt water.
6170	6175-1/2	5-1/2'	Dolomite, medium to dark gray, micro-crystalline, hard, dense, scattered whole brachiopods, scattered anhydrite crystals and nodules, slightly silty and clayey, few stylolites, fair odor.
6175-1/2	6181	5-1/2'	Shale, black, hard, slightly calcareous, few crustacean fragments, diagonal and vertical fractures 79-80.
6181	6182	1'	Dolomite, dark gray, micro-crystalline, hard, dense, argillaceous, slightly limey, vertical fractures, fair petrol odor.
6182	6197	15'	Shale, as at 6175-1/2 to 6181 with vertical fractures 6196 to 6197'.
6197	6198	1'	Dolomite, medium gray, micro-crystalline, hard, dense, slightly fossiliferous (whole brachiopods), slightly limey, scattered anhydrite crystals, fair odor.
6198	6200	2'	Shale, as at 6175-1/2 to 6181, with strong vertical fracturing.
6200	6201-1/2	1-1/2'	Dolomite, dark gray, micro to very fine crystalline, hard, dense, abundant thin shale laminae, good odor, slight bleeding gas and oil.
6201-1/2	6203	1-1/2'	Dolomite, dark gray, micro-crystalline, hard, dense, slight inter-crystalline porosity, scattered small anhydrite crystals, good stain, bleeding gas and oil.
6203	6204	1'	Dolomite, as at 6200 to 6201-1/2.
<u>TOP "D" ZONE - 6203'</u>			
<u>CORE #8 6204'/6222' Rec. 18'</u>			
6204	6204-1/2	1/2'	Dolomite, dark gray, micro-crystalline, hard, dense, argillaceous with fine shaly laminae, few incipient hairline fractures, secondary anhydrite filling fractures, good odor and stain, very slightly bleeding oil and gas from fractures.
6204-1/2	6207	2-1/2'	Limestone, dark gray, micro-crystalline, hard, dense, very argillaceous with abundant shale laminae, no shows; thin streak dark gray fractured dolomite at 6206, good odor, bleeding gas and oil on shale partings.
6207	6209	2'	Dolomite, medium to dark gray with brown tinge, micro to fine crystalline, hard, dense, scattered diagonal and vertical fractures, good odor.

COMPANY GENERAL PETROLEUM CORP.

LEASE NAVAJO

WELL NO. F14-16

ELEVATION 5218.1' K.B. LOCATION: 660' from the south line and 660' from the west line  
of Section 16, T.40 S., R.25 E., S.L.B. & M.

SPUDDED September 7, 1957

COMPLETED November 26, 1957

TOP	BOTTOM	REC'Y	FORMATION
			<u>CORE #8 6204'/6222' Rec. 18' (Continued)</u>
6209	6211	2'	Anhydrite, medium gray to blue gray, fine crystalline, dense, shale and dolomite stringers in dendritic pattern, more shaly in upper foot, slight bleeding oil and gas on shale partings in upper foot.
6211	6212	1'	Dolomite, dark gray, micro-crystalline, hard, dense, argillaceous, tight, horizontal and vertical hairline fractures, some anhydrite filling fractures, slightly limey, good odor, stain, fluorescence and cut on fractures.
6212	6216	4'	Dolomite, dark gray, micro to fine crystalline to micro-sucrosic, hard, dense, argillaceous with abundant shale laminae, good odor, slight bleeding oil and gas on shale partings, 3" bed gray anhydrite at 6214-1/2.
6216	6222	6'	Anhydrite, gray, dense, few shale stringers in dendritic pattern; fractured 3", dark gray, argillaceous, hard, dense dolomite beds at 6217, 6219, 6221 with good odor at 6217.
TOTAL DEPTH: 6222'			



Form 9-331b  
(April 1952)

**APPROVED**

DEC 9 1957

SAMUEL L. PLUMMER  
ACTING DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency \_\_\_\_\_

Allottee Tribal Land

Lease No. 14-20-603-2052

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Noted*  
*H 1-7-58*

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY <u>and completion</u>	<u>X</u>
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 2, 1957

Well No. 714-16 is located 660 ft. from S line and 660 ft. from W line of sec. 16

SW/4 Sec. 16 (1/4 Sec. and Sec. No.) 40 E (Twp.) 25 E (Range) 10 N (Meridian)

(Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the vent above sea level is 5218 ft.

**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**INSTALLED PUMPING UNIT**

DATE	TIME	OIL	WATER	GPR	DENSITY
Nov. 26	24	217	19	64	42.0
27	24	151	13	84	42.0
28	6	31	2	64	42.0
29	24	115	10	84	42.0
30	24	102	9	84	42.0
Dec. 1	24	107	9	84	42.0
2	24	117	8	64	42.0

Changed Pumping Time 6:00 A.M. to 12:00 Noon.

RECEIVED  
DEC 5 1957  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company General Petroleum Corporation

Address 53 East 4th South Street

Salt Lake City, Utah

Phone RA 2-5581

By A. L. Blair *as per by L.W.*

Title Division Superintendent

Heaving plug—Material	Length	Depth set
Adapters—Material	Size	

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

Rotary tools were used from 0 feet to 6222 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

-----, 19-----	Put to producing ----- <del>November 26</del> , 19 <del>57</del> -----
The production for the first 24 hours was ----- <del>236</del> ----- barrels of fluid of which ----- <del>94</del> ----- % was oil; ----- % emulsion; ----- <del>6</del> ----- % water; and ----- % sediment.	Gravity, °Bé. ----- <del>42.0 API</del> -----
If gas well, cu. ft. per 24 hours -----	Gallons gasoline per 1,000 cu. ft. of gas -----
Rock pressure, lbs. per sq. in. -----	

_____	_____	_____, Driller	_____	_____, Driller
_____	_____	_____, Driller	_____	_____, Driller

FROM—	TO—	TOTAL FEET	FORMATION
<p><u>LOGS &amp; HISTORY TO FOLLOW.</u></p>			

LOGS & HISTORY TO FOLLOW.

U. S. LAND OFFICE

~~ALLOTTEE~~ ~~SECTION~~ ~~TRACT~~ Tribal Land

LEASE OR PERMIT TO PROSPECT

14-20-603-2052

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company General Petroleum Corp. Address 53 East 4th South Salt Lake City,  
 Lessor or Tract NAVAJO Field \_\_\_\_\_ State Utah  
 Well No. 14-16 Sec. 16 T. 40 S R. 25 E Meridian S128N County San Juan  
 Location 660 ft. N. of S. Line and 660 ft. E. of W. Line of Sec. 16 Elevation 5218 KB.  
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon  
 so far as can be determined from all available records.

Signed A. L. Hair *at Hair by C.W.*Date December 2, 1957Title Division Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling 9-8, 1957 Finished drilling 10-21, 1957

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6139 to 6150 oil No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8	54	8		2421	Float				Surface Pipe
7-1/8	28	8		6139	Float				
HISTORY OF OIL OR GAS WELL									

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_



GENERAL PETROLEUM CORPORATION

A SOCONY-VACUUM COMPANY

53 East 4th South Street  
Salt Lake City, Utah

February 11, 1958

71-K  
2-17

✓ Utah Oil & Gas Conservation Comm.  
Room 140 - State Capitol  
Salt Lake City, Utah

U. S. Geological Survey  
P. O. Box 965  
Farmington, New Mexico

Re: Well Records -  
Navajo #F14-16

Gentlemen:

We are enclosing for your information and files two copies of each of the history, gamma ray-neutron log, laterolog, and microlaterolog of the above captioned well.

Very truly yours,

*N. W. Schultz*

N. W. Schultz *RCW*

NWS:tp

Enclosures



## Mobil Oil Company

A Division of Socony Mobil Oil Company, Inc.

P. O. Box 3371  
Durango, Colorado

May 12, 1960

Mr. Cleon B. Feight  
Utah Oil & Gas Conservation Commission  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City, Utah

Dear Mr. Feight:

Enclosed are the electrical logs from General Petroleum Corporation's Navajo F14-16 in Section 16, T40S, R25, San Juan County, Utah

Please accept our apology for the oversight in failing to submit these logs when the well was completed.

Sincerely,

*R.C. Mills*

R. C. Mills

RCM:rhb

cc: J.P.Lockridge

July 31, 1961

Socony Mobil Oil Co.  
P. O. Box 3371  
Durango, Colorado

Gentlemen:

We have noted in a recent issue of the Utah Oil Report that Camarina Petr.-Jack Grynberg, had worked over Well No. #F14-16 Navajo, located in the SW $\frac{1}{4}$  SW $\frac{1}{4}$  of Section 16, Township 40 South, Range 25 East, S1M, San Juan County, Utah. Our records indicate that this is the same well as your Cahone Mesa Navajo F14-16.

Would you please advise us of the correct status of this well and if it was worked over why a notice was not filed with this Commission.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

ROBERT L. SCHMIDT,  
CHIEF PETROLEUM ENGINEER

RLS:avg



## Mobil Oil Company

A Division of Socony Mobil Oil Company, Inc.

Post Office Box 3371  
Durango, Colorado  
August 2, 1961

The State of Utah  
Oil and Gas Conservation Commission  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah

Attention: Mr. Robert L. Schmidt  
Chief Petroleum Engineer

Gentlemen:

Relative to your letter of July 31, 1961, we advise you that we have entered into an agreement dated April 1, 1961, to sell our Well No. F14-16 Navajo - SW $\frac{1}{4}$  SW $\frac{1}{4}$ , Section 16, Township 40 South, Range 25 East, San Juan County, Utah, to Camerina Petroleum Corporation, 1711 First City National Bank Building, Houston, Texas.

By Designation of Operator Form 9-1123 dated May 3, 1961, we designated Camerina as our operator on the SW $\frac{1}{4}$  of Section 16, Township 40 South, Range 25 East, San Juan County, Utah - a portion of our lease covered by Navajo Tribal Contract No. 14-20-603-2052. Such Designation of Operator form was filed with the USGS.

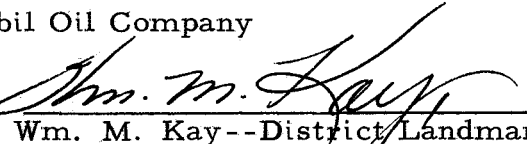
We are now awaiting FPC approval of substitution of Camerina for us under the Certificate of Public Convenience and Necessity granted to us in connection with our sales contract with El Paso Natural Gas Co. When such approval is granted by the FPC then sale of the well will be completed.

It would be our suggestion that you get in touch with Mr. Jack Grynberg, 317 C. A. Johnson Building, Denver 2, Colorado, who handles Camerina's business in this area, for further information relative to their operations on the F14-16 Navajo Well they now operate.

Yours very truly,

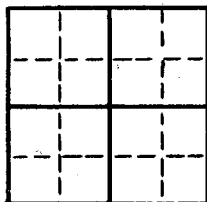
Mobil Oil Company

By:

  
Wm. M. Kay--District Landman

WMK:vwv

cc: Messrs. Jack Grynberg, Denver  
Phil Barry



**STATE OF UTAH**  
**OIL & GAS CONSERVATION COMMISSION**  
 SALT LAKE CITY, UTAH

Fee and Patented.....☐  
 State.....☐  
 Lease No. ....  
 Public Domain.....☐  
 Lease No. ....  
 Indian Navajo.....☒  
 Lease No. F-14-16.....

## SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill..... Notice of Intention to Change Plans..... Notice of Intention to Redrill or Repair..... Notice of Intention to Pull or Alter Casing..... Notice of Intention to Abandon Well..... .....	Subsequent Report of Water Shut-off..... Subsequent Report of Altering Casing..... Subsequent Report of Redrilling or Repair..... Supplementary Well History..... Re-work.....
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 27, 1961

Navajo  
 Well No. F-14-16 is located 660 ft. from ~~N~~<sub>S</sub> line and 660 ft. from ~~E~~<sub>W</sub> line of Sec. 16

SW SW 40 South 25 East  
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Cahone Mesa Jan Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5256 feet.

A drilling and plugging bond has been filed with -----

### DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Reperforated from 6129 feet to 6133 feet with four shots per foot  
 Set packer 6135 feet and acidized with 5,000 gallons of 15% retarded hydrochloride acid.

Knocked out packer, acidized new and old (6139 feet to 6150 feet) perforations, set 3,000 gallons of same acid.

The above reworking was performed on June 3, 1961. The well was put on pump on June 4, 1961, with an initial production of 77 barrels per day.

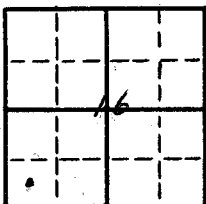
I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company Camerina Petroleum  
 Address 317 C. A. Johnson Bldg.  
 Denver 2, Colorado

By *[Signature]*  
 Title Agent

**INSTRUCTIONS:** A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.





STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
SALT LAKE CITY, UTAH

Fee and Patented.....☐  
State .....☐  
Lease No. ....  
Public Domain .....☐  
Lease No. ....  
Indian ..... **Navajo** .....☒  
Lease No. .... **F-14-16** .....

## SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill..... Notice of Intention to Change Plans..... Notice of Intention to Redrill or Repair..... Notice of Intention to Pull or Alter Casing..... Notice of Intention to Abandon Well..... ..... .....	Subsequent Report of Water Shut-off..... Subsequent Report of Altering Casing..... Subsequent Report of Redrilling or Repair..... Supplementary Well History..... ..... ..... <div style="text-align: center;"><b>Re-work</b></div>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 27, 19 61

Well No. **Navajo F-14-16** is located **660** ft. from **(N)** line and **660** ft. from **(E)** line of Sec. **16**  
**SW SW** **40 South** **25 East** (Meridian)  
 (¼ Sec. and Sec. No.) (Twp.) (Range)  
**Cahone Mesa** **San Juan** **Utah**  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5256** feet.

A drilling and plugging bond has been filed with .....

### DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

**Reperforated from 6129 feet to 6133 feet with four shots per foot**  
**Set packer 6135 feet and acidized with 5,000 gallons of 15% retarded hydrochloride acid.**  
**Knocked out packer, acidized new and old (6139 feet to 6150 feet) perforations, set 3,000 gallons of same acid.**

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company **Camarina Petroleum**  
 Address **317 C. A. Johnson Bldg.**  
**Denver 2, Colorado**  
 By *[Signature]*  
 Title

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

October 13, 1961

Mr. Jack Grynberg & Associates  
317 C. A. Johnson Building  
Denver 2, Colorado

Attn: Mr. Jack Grynberg

Re: Well No. Navajo F 14-16,  
Sec. 16, T. 40 S., R. 25 E.,  
SEEM, San Juan County, Utah

Gentlemen:

We would like to thank you for the completion report on the reworking of the above mentioned well. However, on all completion reports submitted we would appreciate a little more detail as to the date the reworking was completed, if the well was returned to production and how much production there was after reworking.

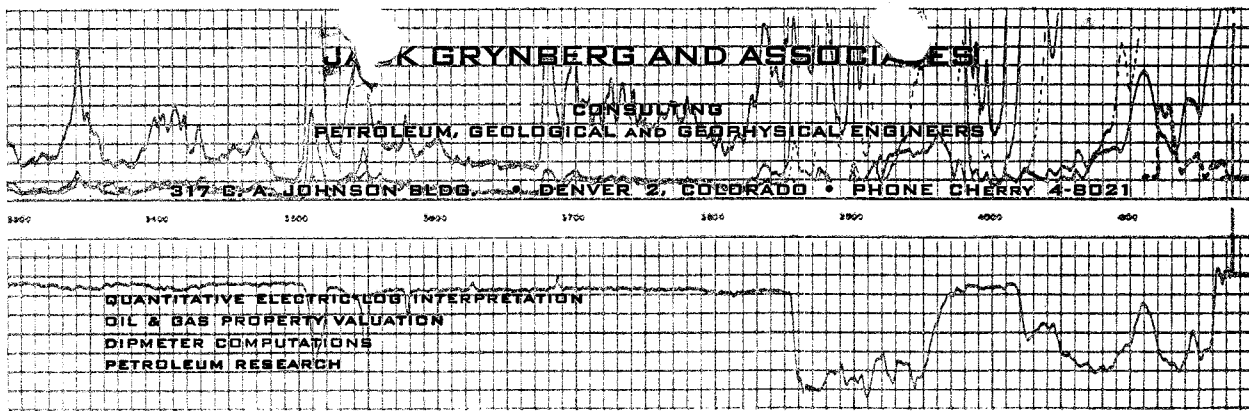
Please add the above information on the enclosed copies of your report and then return to this office.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

ANN W. GLINES,  
RECORDS CLERK

AWG  
Enclosures - 2



October 23, 1961

Miss Ann W. Glines, Records Clerk  
Oil & Gas Conservation Commission  
The State of Utah  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah

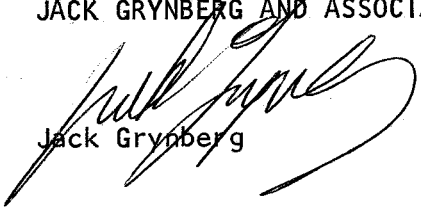
Dear Miss Glines:

Thank you for your letter of October 13, 1961. I have been out of town and have just returned.

Attached please find the corrected sheets indicating the date of the rework and the initial completion of the Navajo F-14-16 well, Section 16, T 40S, R 25E, San Juan County, Utah.

Very truly yours,

JACK GRYNBERG AND ASSOCIATES

  
Jack Grynberg

JG:lc  
Encls.

MAXIMUM PER WELL DAILY OIL PRODUCING RATE

Operator Jack Grynberg & Associates Field & Reservoir Cahone Mesa Month June, 1966

Address 750 Petroleum Club Bldg. County San Juan  
Denver, Colorado 80202

Lease Name	Well No.	Estimated Capacity B O P D	Allowable B O P D	G O R (Most Recent)	No. of days Per Month Well CAPABLE OF Producing
avajo F-14-16	1	10.21	10.21		30

INSTRUCTIONS:

- 1; This form is to be used in determining the maximum daily oil producing rate as required by Rule 4, Cause No. 15, Field Operating Rules for the Greater Aneth Area and is to be submitted to the Utah Oil & Gas Conservation Commission not later than the 10th day of the month for which computed.
2. The estimated capacity is that amount of oil each well is physically capable of producing in 24 hours.
3. The allowable is determined by dividing the most recent GOR into the maximum per well daily gas limit. However, if the estimated capacity is less than the allowable rate, the estimated capacity rate must be used as the allowable.

OGCC FORM NO. 6 - DISTRIBUTION: 1 Copy to: Utah Oil & Gas Conservation Comm.  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah

STATE OF UTAH  
DEPARTMENTAL MEMORANDUM

DATE:

FILE:

SUBJECT:

From  
DEPARTMENT

DIVISION

To  
DEPARTMENT

DIVISION

August 2, 1966

Jack Grynberg & Associates  
750 Petroleum Club Building  
Denver, Colorado 80202

Gentlemen:

With respect to your inquiry about submitting Form OGCC-6, Maximum Per Well Daily Oil Producing Rate, please be advised that it will no longer be necessary to file said form. However, Forms OGCC-P-18 and OGCC-G-7 will still be required.

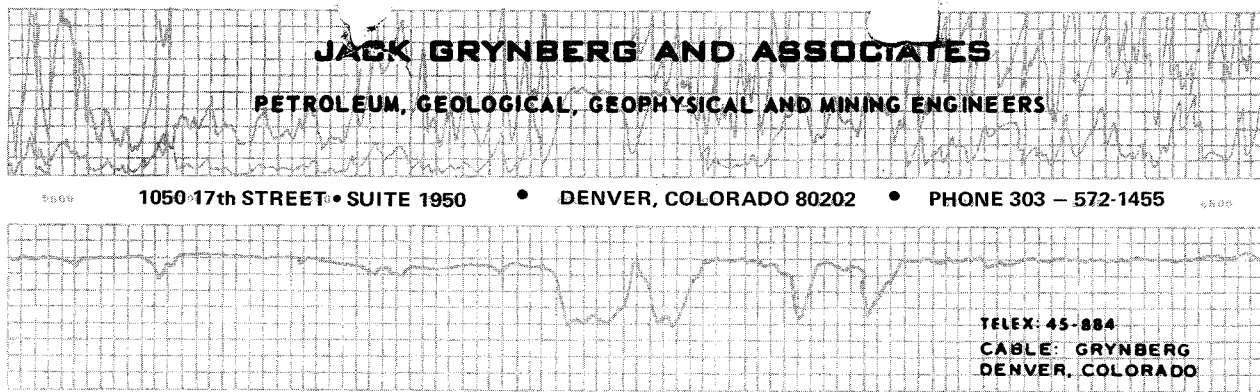
Sorry for the delay in answering.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLARELLA N. PECK  
SUPERVISING CLERK STENOGRAPHER

enp



August 29, 1973

Ms. Jan Wyman  
Utah Oil & Gas Conservation Commission  
1588 West North Temple Street  
Salt Lake City, Utah 84116

RE: Kahone #1-14  
Sec. 14 - T 40 S - R 25 E  
San Juan County, Utah

Dear Ms. Wyman:

Jack Grynberg and Associates sold the well which we discussed to R&R Well Service some time back. Therefore, we do not know the current status of the well. If you have any further questions, do not hesitate to contact us.

Very truly yours,

JACK GRYNBERG AND ASSOCIATES

*Ron Brown*

Ronald G. Brown

RGB/dp

5 1  
I  
April 5, 1978

MEMO TO FILE:

Re: R & R Well Servicing Company  
Well No. Navajo F-14-16  
Sec. 16, T. 40S., R. 25E.  
San Juan County, Utah

As of the above date, this well and all others on the Navajo Reservation are shut-in. However, a cursory examination of the area indicated it to be in relatively good shape, and the housekeeping standards are quite high.



PATRICK L. DRISCOLL  
CHIEF PETROLEUM ENGINEER

DIVISION OF OIL, GAS, & MINING

PLD/ksw



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 28, 1986

TO: NAVAJO F-14-16 WELL FILE API#4303715408 T40S R25E SEC 16  
FROM: Vicky Carney *VLC*  
RE: STATUS AND OPERATOR OF WELL

I called the BLM in Farmington, New Mexico and asked who they have on record as the operator of this well.

I talked to Ken Townsend at 1-505-325-4572. He told me that they were unable to locate Camerina Petroleum so a Mr. Richter in Denver had R & R Well Service of Grand Junction plug the well. This was approved September 28, 1979.

Mr. Townsend told me he would send a copy of the PA report today. I put the PA status in the Automated System and noted in the comments section that the copy would be forthcoming.

This file will be filed back into the producing files until the PA report is received. A copy of this memo will be placed into the Suspense File until said information is received.

cc: Dianne R. Nielsen  
Ronald J. Firth  
Norman C. Stout  
Suspense File  
0217S-55



NAME	ACTION CODE(S)	INTL
NORM		24
TAMI	5	
VICKY		
CLAUDIA		
STEPHANE		
CHARLES		
RULA		
MARY ALICE		
CONNIE		
MILLIE		
PAM	FILE, LEAVE	

- IN RALB UNTIL SUSPENSE  
Required Action Code HAS  
 1. Data Entry  
 2. Filming  
 3. Posting  
     a. Card Index  
     b. File Label  
     c. Lists  
 4. Bonding Verification  
 5. Other (See Norm) CLEARED

TAMI, PLEASE NOTICE THE STICK ON  
 NOTE ATTACHED TO THE SUSPENSE  
 COPY. I'M ROUTING MY COPY  
 TO JOHN M

DAVID MALDONADO  
DISTRICT OIL & GAS SUPERVISOR